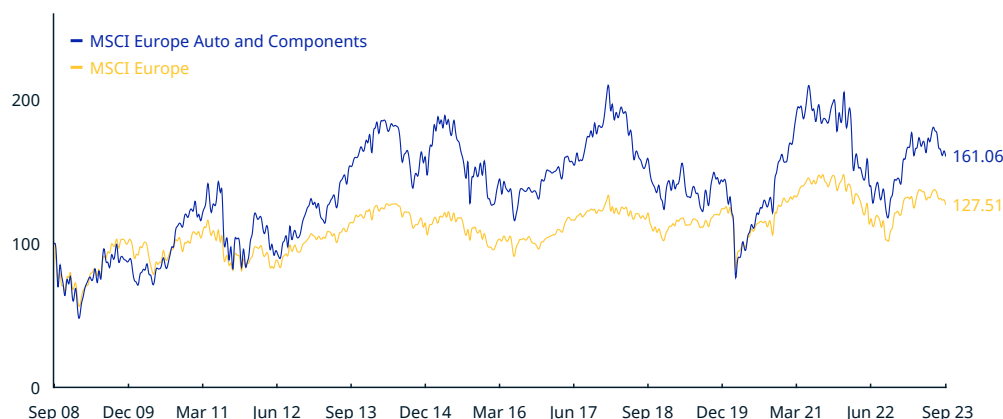


# MSCI Europe Automobiles and Components Index (USD)

The MSCI Europe Automobiles and Components Index is composed of large and mid cap stocks across 15 Developed Markets (DM) countries\*. All securities in the index are classified in the Automobiles and Components industry group (within the Consumer Discretionary sector) according to the Global Industry Classification Standard (GICS®).

## CUMULATIVE INDEX PERFORMANCE – PRICE RETURNS (USD) (SEP 2008 – SEP 2023)



## ANNUAL PERFORMANCE (%)

Year	MSCI Europe Auto and Components	MSCI Europe
2022	-24.08	-17.28
2021	16.79	13.75
2020	12.19	3.14
2019	12.33	20.03
2018	-30.95	-17.27
2017	27.62	22.13
2016	-6.87	-3.39
2015	-0.68	-5.32
2014	-8.91	-8.59
2013	40.67	21.68
2012	38.83	15.15
2011	-25.67	-13.82
2010	35.66	1.02
2009	21.41	31.24

## INDEX PERFORMANCE – PRICE RETURNS (%) (SEP 29, 2023)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				FUNDAMENTALS (SEP 29, 2023)			
					3 Yr	5 Yr	10 Yr	Since Dec 30, 1994	Div Yld (%)	P/E	P/E Fwd	P/BV
MSCI Europe Auto and Components	-3.96	-9.37	35.88	12.94	8.63	0.65	0.46	4.24	5.74	5.46	5.33	0.77
MSCI Europe	-4.04	-5.37	25.43	5.39	4.56	1.32	1.10	3.84	3.28	13.85	11.95	1.88

## INDEX RISK AND RETURN CHARACTERISTICS (SEP 29, 2023)

	Turnover (%) <sup>1</sup>	ANNUALIZED STD DEV (%) <sup>2</sup>			SHARPE RATIO <sup>2,3</sup>				MAXIMUM DRAWDOWN	
		3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr	Since Dec 30, 1994	(%)	Period YYYY-MM-DD
MSCI Europe Auto and Components	3.53	28.83	30.24	26.69	0.36	0.11	0.11	0.20	72.02	2007-10-31–2009-03-02
MSCI Europe	2.75	20.14	19.54	16.21	0.23	0.08	0.07	0.16	64.47	2007-10-31–2009-03-09

<sup>1</sup> Last 12 months

<sup>2</sup> Based on monthly price 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: Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the UK.

The MSCI Europe Automobiles and Components Index was launched on Sep 15, 1999. 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

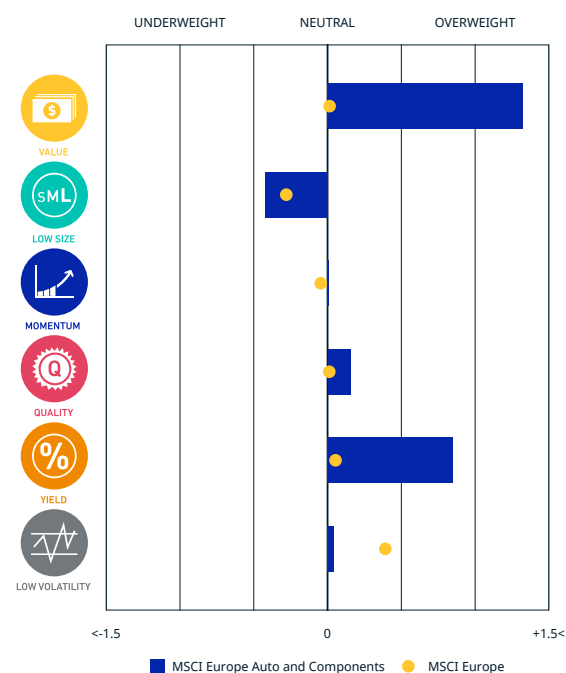
MSCI Europe Auto and Components	
Number of Constituents	14
Mkt Cap (USD Millions)	
Index	260,631.34
Largest	55,974.73
Smallest	2,437.55
Average	18,616.52
Median	9,320.92

## TOP 10 CONSTITUENTS

	Country	Float Adj Mkt Cap (USD Billions)	Index Wt. (%)
MERCEDES BENZ GROUP	DE	55.97	21.48
STELLANTIS	IT	42.65	16.37
FERRARI (IT)	IT	37.33	14.32
BMW STAMM	DE	30.71	11.78
VOLKSWAGEN VORZUG	DE	23.78	9.13
MICHELIN	FR	20.88	8.01
PORSCHE VORZUG	DE	10.73	4.12
RENAULT	FR	7.91	3.04
CONTINENTAL	DE	7.78	2.98
PORSCHE AUTOMOBIL VZG	DE	7.56	2.90
Total		245.32	94.12

## FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

## MSCI FACTOR BOX



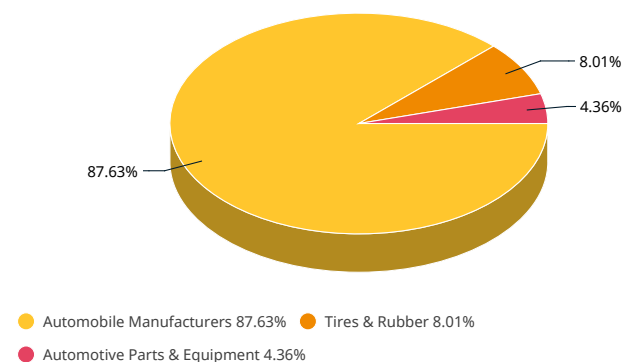
## MSCI FaCS

- 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

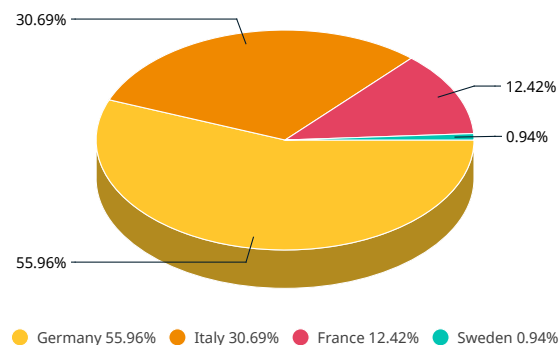
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

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

## SUB-INDUSTRY WEIGHTS



## COUNTRY WEIGHTS



## INDEX FRAMEWORK

The index is based on the [MSCI Global Investable Market Indexes \(GIMI\) Methodology](#)—a comprehensive and consistent approach to index construction that allows for meaningful global views and cross regional comparisons across all market capitalization size, sector and style segments and combinations. This methodology aims to provide exhaustive coverage of the relevant investment opportunity set with a strong emphasis on index liquidity, investability and replicability. The index is reviewed quarterly—in February, May, August and November—with the objective of reflecting change in the underlying equity markets in a timely manner, while limiting undue index turnover. During the May and November semi-annual index reviews, the index is rebalanced and the large and mid capitalization cutoff points are recalculated.

This summary is provided for illustrative purposes only and does not include all material elements of the index or its methodology. For a complete description of the index methodology, please see [Index methodology - MSCI](#).

## 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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