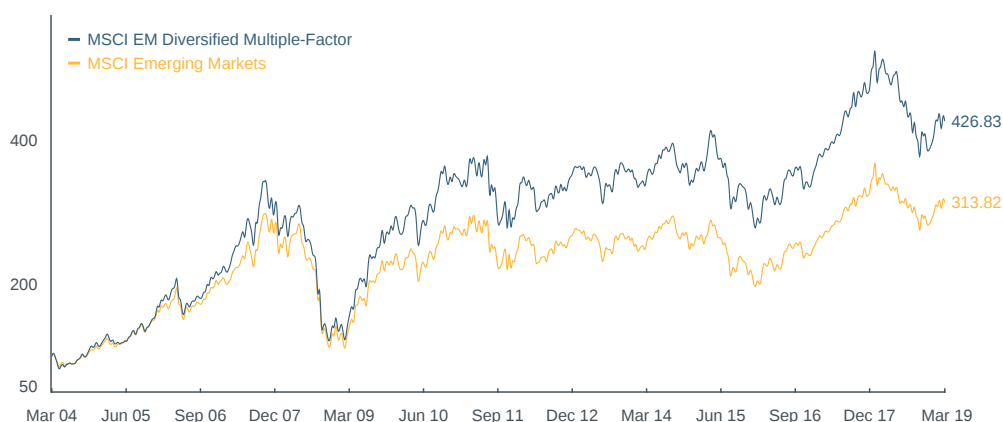


MSCI EMERGING MARKETS DIVERSIFIED MULTIPLE-FACTOR INDEX (USD)

The MSCI Emerging Markets (EM) Diversified Multiple-Factor Index is based on MSCI Emerging Markets index, its parent index, which includes large and mid cap stocks across 24 Emerging Markets (EM) countries*. The index aims to maximize exposure to four factors – Value, Momentum, Quality and Low Size -- while maintaining a risk profile similar to that of the underlying parent index.

CUMULATIVE INDEX PERFORMANCE - NET RETURNS (USD) (MAR 2004 – MAR 2019)



ANNUAL PERFORMANCE (%)

Year	MSCI EM Diversified Multiple-Factor	MSCI Emerging Markets
2018	-19.20	-14.57
2017	41.40	37.28
2016	9.60	11.19
2015	-9.90	-14.92
2014	-3.47	-2.19
2013	0.34	-2.60
2012	24.09	18.22
2011	-18.64	-18.42
2010	23.36	18.88
2009	99.20	78.51
2008	-53.67	-53.33
2007	44.07	39.42
2006	36.63	32.14
2005	32.19	34.00

INDEX PERFORMANCE — NET RETURNS (%) (MAR 29, 2019)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED			
					3 Yr	5 Yr	10 Yr	Since Dec 29, 2000
MSCI EM Diversified Multiple-Factor	0.03	9.37	-13.74	9.37	9.40	3.73	11.22	12.59
MSCI Emerging Markets	0.84	9.92	-7.41	9.92	10.68	3.68	8.94	9.09

FUNDAMENTALS (MAR 29, 2019)

Div Yld (%)	P/E	P/E Fwd	P/BV
3.43	9.55	9.93	1.28
2.71	13.11	11.84	1.64

INDEX RISK AND RETURN CHARACTERISTICS (DEC 29, 2000 – MAR 29, 2019)

	Beta	Tracking Error (%)	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2,3}			Since Dec 29, 2000	MAXIMUM DRAWDOWN (%)	Period YYYY-MM-DD
				3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr			
MSCI EM Diversified Multiple-Factor	1.03	4.53	40.09	13.22	15.56	19.72	0.64	0.25	0.61	0.56	67.29	2007-10-29—2008-10-27
MSCI Emerging Markets	1.00	0.00	6.94	13.02	15.25	18.70	0.74	0.25	0.52	0.44	65.25	2007-10-29—2008-10-27

¹ Last 12 months ² Based on monthly net returns data ³ Based on ICE LIBOR 1M

* EM countries include: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Greece, Hungary, India, Indonesia, Korea, Malaysia, Mexico, Pakistan, Peru, Philippines, Poland, Qatar, Russia, South Africa, Taiwan, Thailand, Turkey and United Arab Emirates.

The MSCI Emerging Markets Diversified Multiple-Factor Index was launched on Feb 17, 2015. 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

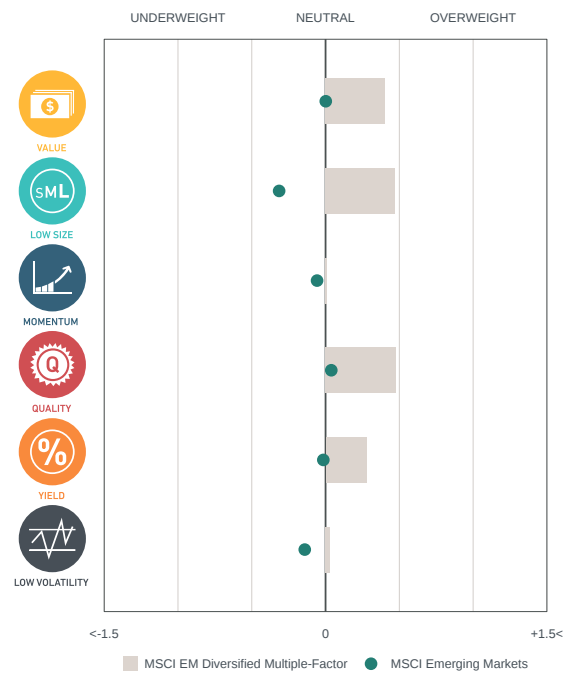
	MSCI EM Diversified Multiple-Factor	MSCI Emerging Markets
Number of Constituents	193	1,136
	Weight (%)	
Largest	3.20	4.95
Smallest	0.01	0.00
Average	0.52	0.09
Median	0.34	0.04

TOP 10 CONSTITUENTS

	Country	Index Wt. (%)	Parent Index Wt. (%)	Sector
CHINA MOBILE	CN	3.20	1.18	Comm Svcs
YUM CHINA HOLDINGS	CN	2.78	0.31	Cons Discr
TENCENT HOLDINGS LI (CN)	CN	2.71	4.95	Comm Svcs
SK HYNIX	KR	2.64	0.72	Info Tech
SAMSUNG ELECTRONICS CO	KR	2.37	3.54	Info Tech
ALIBABA GROUP HLDG ADR	CN	2.26	4.46	Cons Discr
TATNEFT COMMON (RUB)	RU	2.25	0.33	Energy
ITAUSA PN	BR	2.08	0.26	Financials
SAMSUNG ELECTRONICS PEF	KR	1.96	0.50	Info Tech
HANA FINANCIAL HOLDINGS	KR	1.88	0.18	Financials
Total		24.13	16.43	

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



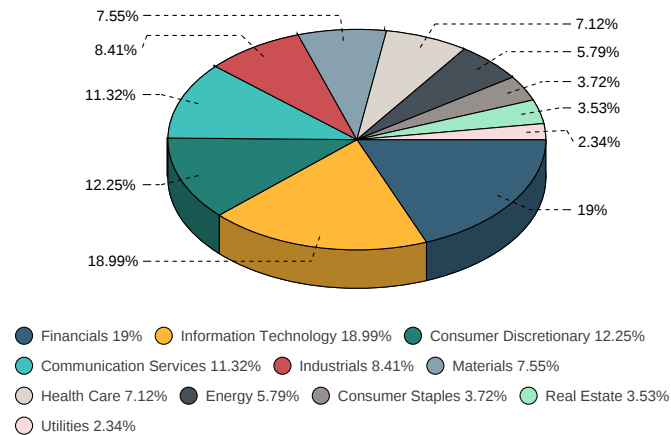
MSCI FaCS

- 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

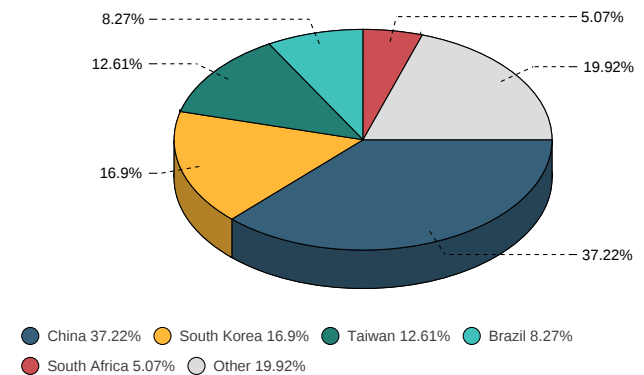
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

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

SECTOR WEIGHTS



COUNTRY WEIGHTS



INDEX METHODOLOGY

The MSCI Diversified Multiple-Factor Indexes are constructed by optimizing from an underlying Parent Index using a Barra Equity Model to maximize the index-level exposure to the targeted style factors while maintaining market risk similar to the Parent Index.

The MSCI Diversified Multiple-Factor Indexes are rebalanced on a semi-annual basis, usually as of the close of the last business day of May and November, coinciding with the May and November Semi-Annual Index Reviews (SAIRs) of the MSCI Global Investable Market Indexes.

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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