# MSCI Nihonkabu Minimum Volatility (JPY) Index (JPY)

The MSCI Nihonkabu Minimum Volatility (JPY) Index aims to reflect the performance characteristics of a minimum variance strategy applied to the large and mid cap Japan equity universe excluding equity REIT securities. The index is calculated by optimizing the MSCI Nihonkabu Index, its parent index, in JPY for the lowest absolute volatility (within a given set of constraints). Historically, the index has shown lower beta and volatility characteristics relative to the parent MSCI Nihonkabu Index. The MSCI Nihonkabu Index is a domestic index, and uses the Domestic Inclusion Factor (DIF) to calculate the free float of securities available for purchase in the Japan public equity markets by domestic Japanese investors.

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

## CUMULATIVE INDEX PERFORMANCE — GROSS RETURNS (JPY) (FEB 2009 – FEB 2024)

# - MSCI Nihonkabu Min Vol (JPY) - MSCI Nikhonkabu 409.1 200 Feb 09 May 10 Aug 11 Nov 12 Feb 14 May 15 Aug 16 Nov 17 Feb 19 May 20 Aug 21 Nov 22 Feb 24

### **ANNUAL PERFORMANCE (%)**

Year	MSCI Nihonkabu Min Vol (JPY)	MSCI Nikhonkabu				
2023	25.26	29.20				
2022	1.05	-3.75				
2021	6.45	13.79				
2020	-1.42	9.29				
2019	10.81	18.85				
2018	-7.66	-15.11				
2017	16.49	20.57				
2016	-1.09	-0.54				
2015	18.64	10.82				
2014	16.18	9.93				
2013	45.51	54.89				
2012	14.29	21.29				
2011	-7.80	-18.42				
2010	0.23	0.53				

**FUNDAMENTALS (FEB 29, 2024)** 

### INDEX PERFORMANCE - GROSS RETURNS (%) (FEB 29, 2024)

					ANNUALIZED							
	1 Mo	3 Мо	1 Yr	YTD	3 Yr	5 Yr	10 Yr <sub>N</sub>	Since ov 30, 2001	Div Yld (%)	P/E	P/E Fwd	P/BV
MSCI Nihonkabu Min Vol (JPY)	2.70	9.04	33.53	9.83	14.04	8.84	9.50	6.22	2.25	15.51	15.50	1.44
MSCI Nikhonkabu	5.49	14.03	40.25	14.54	16.05	14.36	10.89	6.24	1.97	16.23	15.57	1.57

### INDEX RISK AND RETURN CHARACTERISTICS (NOV 30, 2001 - FEB 29, 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 Nov 30, 2001	(%)	Period YYYY-MM-DD
MSCI Nihonkabu Min Vol (JPY)	0.72	6.66	20.10	10.10	11.92	12.10	1.35	0.77	0.81	0.52	49.99	2007-02-27—2009-03-12
MSCI Nikhonkabu	1.00	0.00	3.11	12.89	14.60	15.07	1.22	1.00	0.76	0.43	61.10	2007-02-26-2009-03-12
<sup>1</sup> Last 12 months <sup>2</sup> Based on monthly gross returns data <sup>3</sup> Based on JBA TIBOR 1M from Sep 1 2021 & on ICE LIBOR 1M prior that date												

The MSCI Nihonkabu Minimum Volatility (JPY) Index was launched on Aug 08, 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.



FEB 29, 2024 Index Factsheet

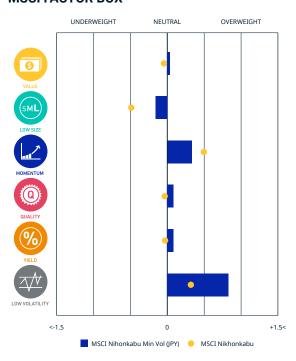
### **INDEX CHARACTERISTICS**

	MSCI Nihonkabu Min Vol (JPY)	MSCI Nikhonkabu					
Number of	140	217					
Constituents							
	Weight (%)						
Largest	1.82	6.54					
Smallest	0.05	0.04					
Average	0.71	0.46					
Median	0.60	0.23					

### **TOP 10 CONSTITUENTS**

	Index Wt. (%)	Parent Index Wt. (%)	Sector
TOYOTA MOTOR CORP	1.82	6.54	Cons Discr
NINTENDO CO	1.73	1.49	Comm Srvcs
CHUGAI PHARMACEUTICAL CO	1.72	0.69	Health Care
MITSUBISHI UFJ FIN GRP	1.69	3.00	Financials
CANON INC	1.66	0.75	Info Tech
TOKIO MARINE HOLDINGS	1.63	1.34	Financials
SOFTBANK CORP	1.58	0.97	Comm Srvcs
SUMITOMO MITSUI FINL GRP	1.57	1.81	Financials
OTSUKA HOLDINGS CO	1.56	0.43	Health Care
EAST JAPAN RAILWAY CO	1.55	0.46	Industrials
Total	16.52	17.47	

# 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



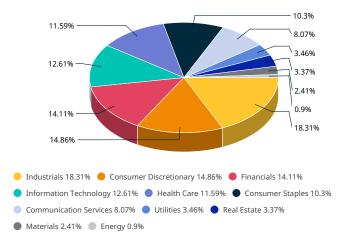
LOW VOLATILITY Lower Risk Stocks

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**





FEB 29, 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**

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