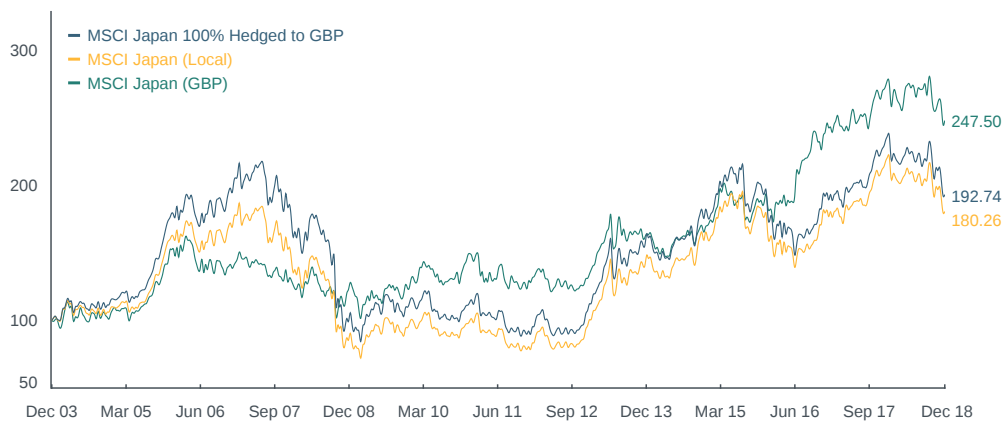


# MSCI JAPAN 100% HEDGED TO GBP INDEX (GBP)

The MSCI Japan 100% Hedged to GBP Index represents a close estimation of the performance that can be achieved by hedging the currency exposure of its parent index, the MSCI Japan Index, to the GBP, the "home" currency for the hedged index. The index is 100% hedged to the GBP by selling the JPY forward at the one-month Forward rate. The parent index is composed of large and mid cap stocks.

## CUMULATIVE INDEX PERFORMANCE - NET RETURNS (GBP) (DEC 2003 – DEC 2018)



## ANNUAL PERFORMANCE (%)

Year	MSCI Japan 100% Hedged to GBP	MSCI Japan (Local)	MSCI Japan (GBP)
2018	-15.30	-15.15	-7.47
2017	19.98	19.75	13.25
2016	-3.20	-0.74	22.12
2015	9.36	9.93	15.91
2014	9.14	9.48	1.95
2013	52.88	54.58	24.80
2012	18.84	21.57	3.43
2011	-18.41	-18.73	-13.69
2010	-0.95	0.57	19.06
2009	8.11	9.12	-5.40
2008	-44.32	-42.56	-1.99
2007	-5.99	-10.21	-5.84
2006	11.98	7.26	-6.81
2005	51.33	44.58	40.37

## INDEX PERFORMANCE — NET RETURNS (%) (DEC 31, 2018)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED			
					3 Yr	5 Yr	10 Yr	Since Dec 31, 2001
MSCI Japan 100% Hedged to GBP	-10.04	-17.42	-15.30	-15.30	-0.54	3.26	6.42	4.43
MSCI Japan (Local)	-9.83	-17.16	-15.15	-15.15	0.29	3.95	7.36	3.51
MSCI Japan (GBP)	-6.51	-12.18	-7.47	-7.47	8.57	8.62	6.62	5.42

## INDEX RISK AND RETURN CHARACTERISTICS (DEC 31, 2001 – DEC 31, 2018)

	ANNUALIZED STD DEV (%) <sup>1</sup>			SHARPE RATIO <sup>1,2</sup>			MAXIMUM DRAWDOWN		
	3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr	Since Dec 31, 2001	(%)	Period YYYY-MM-DD
MSCI Japan 100% Hedged to GBP	16.01	16.00	17.58	0.02	0.25	0.41	0.21	62.98	2007-07-09—2008-10-27
MSCI Japan (Local)	15.47	15.71	17.56	0.07	0.30	0.46	0.16	61.32	2007-02-26—2009-03-12
MSCI Japan (GBP)	11.66	11.84	12.96	0.73	0.72	0.52	0.27	41.77	2006-04-07—2008-10-13

<sup>1</sup> Based on monthly net returns data

<sup>2</sup> Based on ICE LIBOR 1M

The MSCI Japan 100% Hedged to GBP Index was launched on Feb 05, 2007. 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 METHODOLOGY

The MSCI Hedged Indexes hedge each foreign currency in the parent index back to a "home" currency by selling each foreign currency forward at the one-month Forward rate. The amount of forwards sold on the last business day of the month corresponds to the market cap weight of the securities in the parent index that are quoted in each currency as of the close of two business days before the first calendar day of the following month. The amount hedged is kept constant over the whole month.

There are two components to an MSCI Hedged Index return: 1) the performance of the unhedged index in the home currency; and, 2) the Hedge Impact (which aims to represent the gain or loss on the Forward contracts) in the home currency. For example, if a US-based investor were to invest in the MSCI EAFE Index, the calculation would combine the unhedged MSCI EAFE Index return in USD with the performance impact of hedging the currency exposure of the 12 other foreign currencies of the MSCI EAFE Index relative to the USD.

## ABOUT MSCI

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