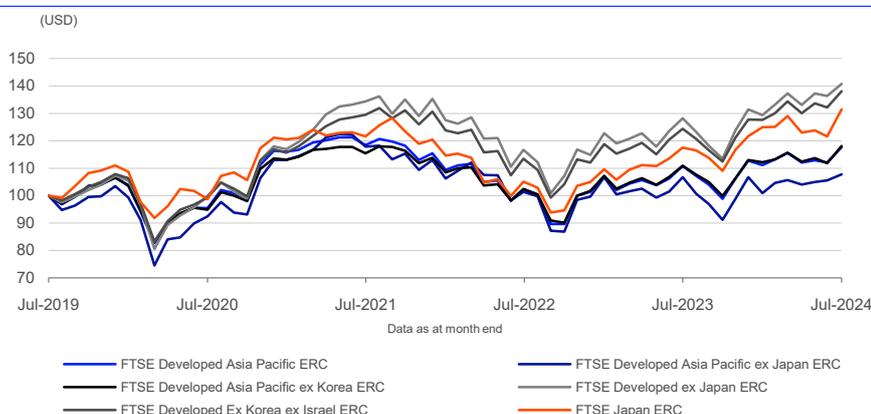


FTSE Developed Asia Pacific Equal Risk Contribution Indices

Data as at: 31 July 2024

The FTSE Global Equal Risk Contribution Index Series has been designed to monitor the performance of an index consisting of securities that are weighted such that each large cap security contributes equally to overall portfolio risk. The indices comprising the FTSE Global Equal Risk Contribution Index Series consist of the constituents of the corresponding underlying universe of the FTSE All-World Index Series at the time of the semi-annual review (but may differ between reviews due to intra-review additions to the underlying index).

5-Year Performance - Total Return



Performance and Volatility - Total Return

Index (USD)	Return %						Return pa %*		Volatility %**		
	3M	6M	YTD	12M	3YR	5YR	3YR	5YR	1YR	3YR	5YR
FTSE Developed Asia Pacific ERC	5.0	5.9	4.3	6.2	-0.6	17.7	-0.2	3.3	12.7	14.2	16.2
FTSE Developed Asia Pacific ex Japan ERC	3.6	6.8	1.0	1.0	-8.5	7.8	-2.9	1.5	13.8	16.3	20.1
FTSE Developed Asia Pacific ex Korea ERC	5.0	5.2	4.6	6.5	2.3	18.1	0.8	3.4	12.7	13.8	15.4
FTSE Developed ex Japan ERC	5.8	8.8	7.0	9.8	4.8	40.8	1.6	7.1	9.6	15.1	18.5
FTSE Developed Ex Korea ex Israel ERC	6.2	8.3	8.1	11.1	6.6	38.1	2.2	6.7	8.9	14.1	16.6
FTSE Japan ERC	6.8	5.2	8.0	11.8	8.1	31.4	2.6	5.6	15.1	14.8	14.9

* Compound annual returns measured over 3 and 5 years respectively

** Volatility – 1YR based on 12 months daily data. 3YR based on weekly data (Wednesday to Wednesday). 5YR based on monthly data

FEATURES

Methodology

The approach applies an optimisation algorithm to determine the weighting scheme such that each large cap security contributes equally to overall portfolio risk. The weightings that result from the optimisation are normalised, so the large and mid capitalisation weighting split of each index is equal to the weighting split of the large cap and mid cap segments of the relevant underlying index.

Objective

The indices are designed for the creation of index tracking funds, derivatives and as a performance benchmark.

Investability

Stocks in the underlying universe are free-float weighted to ensure that only the investable opportunity set is included.

Liquidity

Stocks in the underlying universe are screened to ensure that the indices are tradable.

Transparency

The indices use a transparent, rules-based construction process. Index Rules are freely available on the FTSE website.

Availability

The indices are calculated based on price and total return methodologies, available end-of-day. Net TRI versions of the indices are also available.

Industry Classification Benchmark

Index constituents are categorized in accordance with the Industry Classification Benchmark (ICB), the global standard for industry sector analysis.

Year-on-Year Performance - Total Return

Index % (USD)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
FTSE Developed Asia Pacific ERC	0.4	1.0	4.9	29.7	-12.4	13.2	8.9	-0.7	-12.2	11.3
FTSE Developed Asia Pacific ex Japan ERC	1.1	-7.9	6.3	32.3	-13.1	11.4	9.2	0.0	-11.8	7.1
FTSE Developed Asia Pacific ex Korea ERC	1.2	1.0	6.5	28.1	-11.6	15.9	6.7	0.2	-10.6	11.0
FTSE Developed ex Japan ERC	5.2	-3.5	7.9	25.0	-10.0	23.6	10.0	14.6	-15.1	14.5
FTSE Developed Ex Korea ex Israel ERC	5.8	-0.5	7.4	24.4	-9.3	23.3	8.4	11.8	-14.2	14.0
FTSE Japan ERC	0.6	14.0	2.6	26.6	-11.7	15.7	9.1	-0.6	-12.9	15.9

Return/Risk Ratio and Drawdown - Total Return

Index (USD)	Return/Risk Ratio				Drawdown (%)			
	1YR	3YR	5YR	10YR	1YR	3YR	5YR	10YR
FTSE Developed Asia Pacific ERC	0.5	0.0	0.2	0.2	-11.2	-29.9	-33.3	-36.7
FTSE Developed Asia Pacific ex Japan ERC	0.1	-0.2	0.1	0.1	-14.7	-29.1	-39.8	-43.1
FTSE Developed Asia Pacific ex Korea ERC	0.5	0.0	0.2	0.3	-10.4	-28.1	-32.2	-33.6
FTSE Developed ex Japan ERC	1.0	0.1	0.4	0.4	-12.4	-27.2	-37.1	-37.1
FTSE Developed Ex Korea ex Israel ERC	1.2	0.1	0.4	0.5	-10.1	-26.7	-34.4	-34.4
FTSE Japan ERC	0.8	0.1	0.4	0.4	-9.1	-31.9	-31.9	-31.9

Return/Risk Ratio – based on compound annual returns and volatility in Performance and Volatility table

Drawdown - based on daily data

Top 10 Constituents - FTSE Developed Asia Pacific Equal Risk Contribution

Constituent	Country/Market	ICB Sector	Net MCap (USDm)	Wgt %
Singapore Telecommunications	Singapore	Telecommunications Service Providers	42,408	0.56
CLP Holdings	Hong Kong	Electricity	39,435	0.52
Singapore Technologies Engineering	Singapore	Aerospace and Defense	39,091	0.52
Power Assets Holdings	Hong Kong	Electricity	38,511	0.51
Sembcorp Industries	Singapore	Gas Water and Multi-utilities	35,287	0.47
Singapore Exchange	Singapore	Investment Banking and Brokerage Services	34,884	0.46
NISSIN FOODS HOLDINGS	Japan	Food Producers	34,801	0.46
Oversea-Chinese Banking	Singapore	Banks	34,559	0.46
DBS Group Holdings	Singapore	Banks	34,502	0.46
Meiji Holdings	Japan	Food Producers	34,432	0.46
Totals			367,909	4.87

Top 10 Constituents - FTSE Developed ex Japan Equal Risk Contribution

Constituent	Country/Market	ICB Sector	Net MCap (USDm)	Wgt %
Exxon Mobil Corporation	USA	Oil Gas and Coal	199,075	0.32
Lockheed Martin Corp	USA	Aerospace and Defense	191,909	0.31
Haleon	UK	Pharmaceuticals and Biotechnology	185,779	0.30
Amgen Corp	USA	Pharmaceuticals and Biotechnology	180,668	0.29
Swisscom	Switzerland	Telecommunications Service Providers	173,922	0.28
Singapore Telecommunications	Singapore	Telecommunications Service Providers	172,665	0.28
BAE Systems	UK	Aerospace and Defense	166,754	0.27
McKesson	USA	Personal Care Drug and Grocery Stores	165,061	0.27
Duke Energy Corp	USA	Gas Water and Multi-utilities	164,747	0.27
Northrop Grumman Corp	USA	Aerospace and Defense	163,747	0.26
Totals			1,764,327	2.85

INFORMATION

Index Universe

FTSE Developed Index

Index Launch

12 September 2013

Base Date

18 March 2013

Base Value

1000

Investability Screen

Actual free float applied and liquidity screened

Index Calculation

End-of-day

End-of-Day Distribution

Via FTP and email

Currency

USD, EUR, GBP, JPY, AUD

Review Dates

Semi-annually in March and September

History

Available from 2003

Country/Market Breakdown

Country/Market	FTSE Developed Asia Pacific ERC			FTSE Developed Asia Pacific		
	No. of Cons	Net MCap (USDm)	Wgt %	No. of Cons	Net MCap (USDm)	Wgt %
Australia	103	1,181,198	15.63	103	1,394,020	18.24
Hong Kong	72	810,113	10.72	72	351,702	4.60
Japan	501	3,885,063	51.41	502	4,662,280	61.00
Korea	159	964,514	12.76	160	941,137	12.31
New Zealand	15	137,118	1.81	15	54,505	0.71
Singapore	36	579,575	7.67	36	239,039	3.13
Totals	886	7,557,581	100.00	888	7,642,682	100.00

Country/Market Breakdown

Country/Market	FTSE Developed ex Japan ERC			FTSE Developed ex Japan		
	No. of Cons	Net MCap (USDm)	Wgt %	No. of Cons	Net MCap (USDm)	Wgt %
Australia	103	5,826,178	9.40	103	1,394,020	2.18
Austria	7	37,806	0.06	7	37,433	0.06
Belgium	14	331,789	0.54	14	170,673	0.27
Canada	48	1,861,926	3.01	48	1,785,729	2.79
Denmark	18	944,626	1.52	18	600,939	0.94
Finland	14	436,430	0.70	14	173,093	0.27
France	69	2,371,261	3.83	69	1,862,095	2.91
Germany	70	2,392,496	3.86	70	1,464,049	2.29
Hong Kong	72	2,850,554	4.60	72	351,702	0.55
Ireland	5	52,805	0.09	5	52,496	0.08
Israel	30	565,228	0.91	30	111,214	0.17
Italy	34	747,385	1.21	34	499,659	0.78
Korea	159	4,203,431	6.78	160	941,137	1.47
Netherlands	31	1,065,038	1.72	31	833,763	1.30
New Zealand	15	513,400	0.83	15	54,505	0.09
Norway	17	253,398	0.41	17	112,059	0.18
Poland	10	58,019	0.09	10	58,608	0.09
Portugal	4	221,559	0.36	4	31,070	0.05
Singapore	36	1,946,646	3.14	36	239,039	0.37
Spain	25	1,168,010	1.89	25	473,661	0.74
Sweden	52	1,396,495	2.25	52	568,863	0.89
Switzerland	52	2,604,933	4.20	52	1,695,834	2.65
UK	103	4,129,077	6.66	103	2,793,760	4.37
USA	578	25,981,077	41.93	578	47,628,001	74.50
Totals	1566	61,959,567	100.00	1567	63,933,400	100.00

ICB Industry Breakdown

ICB Code	ICB Industry	FTSE Developed Asia Pacific ERC			FTSE Developed Asia Pacific		
		No. of Cons	Net MCap (USDm)	Wgt %	No. of Cons	Net MCap (USDm)	Wgt %
10	Technology	78	565,952	7.49	79	696,888	9.12
15	Telecommunications	19	248,885	3.29	19	548,549	7.18
20	Health Care	54	484,582	6.41	54	570,143	7.46
30	Financials	92	1,125,022	14.89	92	1,518,193	19.86
35	Real Estate	77	693,118	9.17	77	354,068	4.63
40	Consumer Discretionary	177	1,163,487	15.39	177	1,252,778	16.39
45	Consumer Staples	78	705,689	9.34	78	369,025	4.83
50	Industrials	194	1,518,108	20.09	194	1,517,578	19.86
55	Basic Materials	70	393,076	5.20	71	530,369	6.94
60	Energy	19	203,587	2.69	19	131,216	1.72
65	Utilities	28	456,075	6.03	28	153,875	2.01
Totals		886	7,557,581	100.00	888	7,642,682	100.00

ICB Industry Breakdown

ICB Code	ICB Industry	FTSE Developed ex Japan ERC			FTSE Developed ex Japan		
		No. of Cons	Net MCap (USDm)	Wgt %	No. of Cons	Net MCap (USDm)	Wgt %
10	Technology	130	5,010,828	8.09	130	18,448,905	28.86
15	Telecommunications	49	2,531,122	4.09	49	1,663,350	2.60
20	Health Care	141	6,951,772	11.22	141	7,559,705	11.82
30	Financials	248	11,213,701	18.10	248	8,876,326	13.88
35	Real Estate	103	3,277,501	5.29	103	1,434,912	2.24
40	Consumer Discretionary	239	6,776,256	10.94	239	8,209,114	12.84
45	Consumer Staples	112	5,410,944	8.73	112	3,293,870	5.15
50	Industrials	297	10,696,238	17.26	297	7,983,055	12.49
55	Basic Materials	98	2,645,668	4.27	99	1,752,091	2.74
60	Energy	67	3,280,437	5.29	67	2,870,800	4.49
65	Utilities	82	4,165,099	6.72	82	1,841,272	2.88
Totals		1566	61,959,567	100.00	1567	63,933,400	100.00

Index Characteristics

Attributes	FTSE Developed Asia Pacific ERC	FTSE Developed Asia Pacific	FTSE Developed ex Japan ERC	FTSE Developed ex Japan
Number of constituents	886	888	1566	1567
Net MCap (USDm)	7,557,581	7,642,682	61,959,567	63,933,400
Dividend Yield %	3	2.53	2.75	1.76
Constituent Sizes (Net MCap USDm)				
Average	8,530	8,607	39,565	40,800
Largest	42,408	289,982	199,075	3,223,862
Smallest	149	149	149	149
Median	3,562	3,033	20,205	12,008
Weight of Largest Constituent (%)	0.56	3.79	0.32	5.04
Top 10 Holdings (% Index MCap)	4.87	18.58	2.85	24.71

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