# **Rothschild & Co Risk-Based International Index**

# Monthly Report As of 2/28/2023



The Rothschild & Co Risk-Based International Index provides an alternative to market-cap weighting with a risk-based approach to index construction. The strategy seeks to equalize risk contribution of index constituents and to maximize risk diversification while avoiding excessive turnover and portfolio concentration. The approach seeks to provide lower volatility, reduced maximum drawdown and higher Sharpe ratio compared with market capitalization indices over the long-term.

### **Cumulative Index Performance**

# Time Period: 1/14/2000 to 2/28/2023 Reductive Car Red Biolece Het III USD (Face) 4.378.8 Red Biolece Het III USD (Face) 3.964.2 Med DEAFE NR USD (Face) 2.122.4 6,000 4,000 2,000 1,000 0

2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021

#### **Calendar Year Returns %**

	Tot Ret	Net TR	MSCI EAFE		Tot Ret	Net TR	MSCI EAFE
2023	3.29	3.27	5.84	2012	9.50	8.98	17.32
2022	-12.75	-13.23	-14.45	2011	-6.78	-7.26	-12.14
2021	5.23	4.77	11.26	2010	11.08	10.56	7.75
2020	7.73	7.25	7.82	2009	15.16	14.59	31.78
2019	17.52	16.87	22.01	2008	-29.41	-29.73	-43.38
2018	-8.55	-9.02	-13.79	2007	13.56	13.17	11.17
2017	28.30	27.76	25.03				
2016	-2.44	-2.89	1.00	2004	28.08	27.55	20.25
2015	5.53	5.10	-0.81	2003	38.99	38.45	38.59
2012	9.50	8.98	17.32	2002	-3.73	-4.08	-15.94
2011	-6.78	-7.26	-12.14	2001	-14.02	-14.29	-21.44

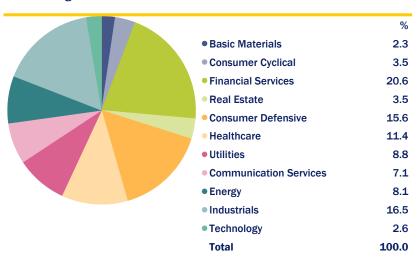
#### **Total Return %**

	Index Value	1M	3 <b>M</b>	YTD	1yr	3yr	5yr	10yr	Since Inception
Risk-Based Intl TR USD	2,452.61	-2.09	4.90	3.29	-4.09	3.79	1.55	5.47	6.59
Risk-Based Intl NR USD	2,270.52	-2.10	4.85	3.27	-4.63	3.30	1.05	4.99	6.14
MSCI EAFE NR USD	6,967.96	-2.09	5.93	5.84	-3.14	6.84	2.64	4.83	3.33

# Risk/Returns Characteristics vs. MSCI EAFE

	Stand	<b>Standard Deviation</b>		Sharpe Ratio		Beta		Up Capture*		Down Capture*					
	1 Yr	3 Yr	5 Yr	1 Yr	3 Yr	5 Yr	1 Yr	3 Yr	5 Yr	1 Yr	3 Yr	5 Yr	1 Yr	3 Yr	5 Yr
Risk-Based Intl TR USD	17.62	15.44	13.70	-0.32	0.25	0.08	0.75	0.75	0.75	73.60	74.33	75.28	75.69	76.03	76.41
Risk-Based Intl NR USD	17.68	15.47	13.72	-0.35	0.22	0.04	0.75	0.75	0.75	73.90	74.59	75.59	75.51	75.86	76.17
MSCI EAFE NR USD	23.11	19.97	17.64	-0.16	0.38	0.15	1.00	1.00	1.00	100.00	100.00	100.00	100.00	100.00	100.00

#### **Sector Weights**



### **Top 10 Constituents**

	Sector	Weight %
PetroChina Co Ltd Class H	Energy	2.13
Hongkong Land Holdings Ltd	Real Estate	1.31
Agricultural Bank of China Ltd Class H	Financial Services	1.26
Bank Of China Ltd Class H	Financial Services	1.20
China Shenhua Energy Co Ltd Class H	Energy	0.87
Tokyo Gas Co Ltd	Utilities	0.85
Singapore Telecommunications Ltd	Communication Services	0.82
BAE Systems PLC	Industrials	0.77
Yakult Honsha Co Ltd	Consumer Defensive	0.73
Chubu Electric Power Co Inc	Utilities	0.73
		10.67



# **Portfolio Highlights**

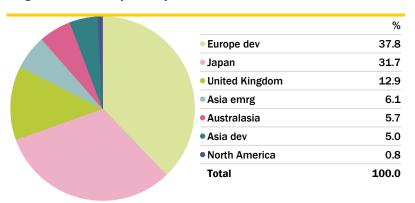
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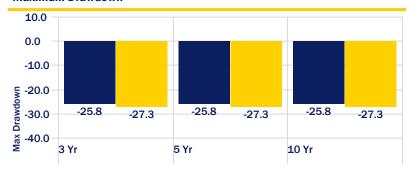
#### **Index Characteristics**

	child & Co Risk-Based Intl T	MSCI EAFE NR USD
Average Mkt. Cap (\$mm)	27,190.8	45,572.5
Estimated Price/Earnings	12.3	13.7
Price/Book	1.3	1.7
Price/Cash Flow	6.8	9.2
Dividend Yield	4.0	3.7

#### **Region Allocation - By Country Domicile**



# **Maximum Drawdown**



■Rothschild & Co Risk-Based Intl TR USD ■MSCI EAFE NR USD

# **Tickers**

Currency	USD	EUR	GBP
Total Return	RRBINTR2	RRBINTR1	RRBINTR3
Net Total Return	RRBINNT2	RRBINNT1	RRBINNT3
Price	RRBINPR2	RRBINPR1	RRBINPR3
Reuters	.RRBINNT1		

#### **Index Administration**



Rothschild & Co Risk Based Investments LLC is a wholly owned subsidiary of Rothschild & Co and, as the index sponsor, oversees the monthly calculation of weightings for each index through a proprietary risk-based method.

### Methodology

Quarterly Universe Constituent Selection - selects the largest stocks in the exchange universe (January, April, July, October)

#### **Quarterly Index Selection**

- Selects the 50% of the universe with the lowest marginal risk contribution (combination of volatility and correlation)
- Each constituent is weighted so that it contributes and equal amount of risk

# **Key Facts**

Universe Constituents:	450
Selected Consituents	225
Weighting Methodology:	Equal Risk Contribution (ERC)
Rebalancing Frequency:	Quarterly
Index Launch Date	8/9/17
Index First Value Date:	1/14/00
Available Currencies	USD, EUR, GBP, JPY
Index Calculation Agent:	S&P Dow Jones Indices

### **Disclaimer:**

Index launch date is 8/9/17. All information presented prior to the launch date is backtested.

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