

# RAFI™ Dynamic Multi-Factor Developed ex-US Index



Index Constituents as of: 5/31/2022

The RAFI Multi-Factor index series offers diversified factor exposures through allocations to value, low volatility, quality, momentum, and size. The Dynamic Multi-Factor strategy takes time-varying exposures to the same five factors. The index uses recent and historical metrics to tilt toward factor portfolios which are particularly attractive on a forward looking basis.

Name	Weight
BP p.l.c.	1.398%
Glencore plc	1.160%
Nestle S.A.	1.094%
Novo Nordisk A/S Class B	1.091%
GSK plc	0.965%
Diageo plc	0.915%
Eni S.p.A.	0.873%
Equinor ASA	0.852%
AstraZeneca PLC	0.838%
Vodafone Group Plc	0.834%
Telefonica SA	0.796%
Hitachi,Ltd.	0.786%
TotalEnergies SE	0.733%
Banco Santander, S.A.	0.724%
Repsol SA	0.673%
KDDI Corporation	0.651%
Orange SA	0.640%
Koninklijke Ahold Delhaize N.V.	0.623%
ASML Holding NV	0.616%
Societe Generale S.A. Class A	0.613%
ArcelorMittal SA	0.602%
Roche Holding Ltd Dividend Right Cert.	0.597%
Nippon Telegraph and Telephone Corporation	0.585%
National Grid plc	0.576%
Nippon Yusen Kabushiki Kaisha	0.566%
Suncor Energy Inc.	0.547%
Tokyo Electron Ltd.	0.543%
Zurich Insurance Group Ltd	0.537%
HSBC Holdings Plc	0.528%
JAPAN POST HOLDINGS Co., Ltd.	0.518%
Volkswagen AG Pref	0.513%
Bayerische Motoren Werke AG	0.506%
NIPPON STEEL CORP.	0.506%
Toyota Motor Corp.	0.493%
Honda Motor Co., Ltd.	0.455%
Sanofi	0.454%
Mercedes-Benz Group AG	0.449%
ENGIE SA.	0.449%
Carrefour SA	0.440%
A.P. Moller - Maersk A/S Class B	0.436%
Cenovus Energy Inc.	0.424%
RELX PLC	0.423%
Seven & I Holdings Co., Ltd.	0.418%
SoftBank Corp.	0.415%

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Name	Weight
Canon Inc.	0.393%
British American Tobacco p.l.c.	0.393%
Japan Tobacco Inc.	0.389%
LVMH Moet Hennessy Louis Vuitton SE	0.384%
BAE Systems plc	0.379%
INPEX CORPORATION	0.374%
Iberdrola SA	0.360%
Telstra Corporation Limited	0.359%
Stellantis N.V.	0.357%
Medtronic Plc	0.339%
Tesco PLC	0.338%
Woolworths Group Ltd	0.329%
Enel SpA	0.326%
Canadian Imperial Bank of Commerce	0.324%
Mitsubishi Heavy Industries, Ltd.	0.321%
Mitsui O.S.K.Lines,Ltd.	0.308%
EDP-Energias de Portugal SA	0.307%
Rio Tinto plc	0.306%
ENEOS Holdings, Inc.	0.297%
Standard Chartered PLC	0.296%
Teck Resources Limited Class B	0.293%
Nissan Motor Co., Ltd.	0.293%
Imperial Brands PLC	0.291%
Renault SA	0.290%
Unilever PLC	0.289%
Veolia Environnement SA	0.288%
SAP SE	0.287%
Marubeni Corporation	0.286%
Astellas Pharma Inc.	0.278%
Takeda Pharmaceutical Co. Ltd.	0.277%
Recruit Holdings Co., Ltd.	0.277%
Reckitt Benckiser Group plc	0.273%
ABB Ltd.	0.271%
Enbridge Inc.	0.269%
Magna International Inc.	0.268%
Commerzbank AG	0.266%
JFE Holdings, Inc.	0.263%
Compagnie Financiere Richemont SA	0.263%
BCE Inc.	0.258%
Bank of Montreal	0.258%
Yara International ASA	0.257%
Bridgestone Corporation	0.255%
Tokyo Electric Power Company Holdings, Incorporated	0.254%
BT Group plc	0.252%

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Name	Weight
Royal Bank of Canada	0.250%
Shell PLC	0.250%
Toronto-Dominion Bank	0.248%
SSE plc	0.242%
Telia Company AB	0.241%
Toshiba Corporation	0.238%
United Overseas Bank Ltd. (Singapore)	0.236%
Sony Group Corporation	0.235%
HOYA CORPORATION	0.233%
Wesfarmers Limited	0.233%
Aegon N.V.	0.230%
Bank of Nova Scotia	0.224%
National Australia Bank Limited	0.223%
Crescent Point Energy Corp.	0.222%
Banco Bilbao Vizcaya Argentaria, S.A.	0.219%
Canadian Natural Resources Limited	0.217%
Koninklijke DSM N.V.	0.215%
Keyence Corporation	0.213%
Singapore Telecommunications Limited	0.211%
ABN AMRO Bank N.V. Depositary receipts	0.210%
Oversea-Chinese Banking Corporation Limited	0.208%
NEC Corp.	0.207%
Fortis Inc.	0.206%
UniCredit S.p.A.	0.205%
Signify NV	0.205%
Imperial Oil Limited	0.204%
Deutsche Post AG	0.202%
Mitsubishi UFJ Financial Group, Inc.	0.201%
Panasonic Holdings Corporation	0.194%
Telecom Italia S.p.A.	0.191%
Ajinomoto Co., Inc.	0.188%
Ferguson Plc	0.187%
Mazda Motor Corp.	0.187%
Loblaw Companies Limited	0.185%
Akzo Nobel N.V.	0.184%
Hermes International SCA	0.183%
Naturgy Energy Group, S.A.	0.180%
Power Corporation of Canada	0.180%
Endesa S.A.	0.180%
FUJIFILM Holdings Corp	0.179%
Swisscom AG	0.176%
Banco de Sabadell SA	0.176%
Thomson Reuters Corporation	0.173%
Deutsche Bank Aktiengesellschaft	0.171%

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Name	Weight
ING Groep NV	0.169%
Kirin Holdings Company, Limited	0.168%
K+S AG	0.166%
VINCI SA	0.165%
Fortescue Metals Group Ltd	0.165%
Brookfield Asset Management Inc. Class A	0.163%
TC Energy Corporation	0.162%
Fujitsu Limited	0.162%
Kingfisher Plc	0.161%
Japan Airlines Co., Ltd.	0.160%
Nutrien Ltd.	0.157%
Lloyds Banking Group plc	0.156%
Pernod Ricard SA	0.155%
Danone SA	0.155%
NXP Semiconductors NV	0.152%
Fairfax Financial Holdings Limited	0.150%
Swiss Life Holding AG	0.150%
Sampo Oyj Class A	0.149%
East Japan Railway Company	0.148%
AGC Inc.	0.147%
DENSO CORPORATION	0.147%
Norsk Hydro ASA	0.146%
Deutsche Boerse AG	0.145%
Mitsubishi Corporation	0.145%
Mitsubishi Chemical Holdings Corporation	0.144%
ASM International N.V.	0.144%
Origin Energy Limited	0.144%
Toyota Tsusho Corp.	0.143%
ARC Resources Ltd.	0.143%
Pearson PLC	0.142%
Sika AG	0.142%
Macquarie Group, Ltd.	0.141%
Rexel SA	0.141%
Intact Financial Corporation	0.140%
James Hardie Industries PLC Chess Units of Foreign Securities	0.140%
George Weston Limited	0.139%
Deutsche Lufthansa AG	0.138%
Sumitomo Chemical Co., Ltd.	0.138%
CK Hutchison Holdings Ltd	0.138%
BNP Paribas S.A. Class A	0.137%
TOKYO GAS Co., Ltd.	0.137%
TELUS Corporation	0.137%
UBS Group AG	0.136%
Sonova Holding AG	0.136%

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Name	Weight
Canadian Tire Corporation, Limited Class A	0.135%
SSAB AB Class A	0.134%
Bank Leumi Le-Israel Ltd.	0.134%
Experian PLC	0.134%
OMV AG	0.133%
Oriental Land Co., Ltd.	0.133%
Metro Inc.	0.133%
Isuzu Motors Limited	0.133%
Compagnie de Saint-Gobain SA	0.132%
Itochu Corporation	0.131%
Atlas Copco AB Class A	0.131%
Neste Corporation	0.129%
Bouygues SA	0.129%
Vivendi SE	0.128%
Centrica plc	0.128%
CK Asset Holdings Limited	0.128%
Shaw Communications Inc. Class B	0.127%
Royal KPN NV	0.127%
Kao Corp.	0.126%
Mowi ASA	0.126%
Idemitsu Kosan Co., Ltd.	0.125%
Rogers Communications Inc. Class B	0.125%
ICL Group Ltd.	0.124%
Coles Group Ltd.	0.124%
Partners Group Holding AG	0.124%
Kuehne & Nagel International AG	0.124%
AXA SA	0.122%
CGI Inc. Class A	0.122%
RWE AG	0.121%
Merck KGaA	0.121%
Mitsui & Co.,Ltd	0.120%
Red Electrica Corp. SA	0.120%
Swiss Re AG	0.119%
IBIDEN CO., LTD.	0.119%
BioNTech SE Sponsored ADR	0.118%
Murata Manufacturing Co., Ltd.	0.117%
Aisin Corporation	0.117%
ICON Plc	0.116%
Shimano Inc.	0.116%
Sumitomo Mitsui Financial Group, Inc.	0.114%
Woodside Energy Group Ltd	0.114%
Suncorp Group Limited	0.113%
Alimentation Couche-Tard Inc. Class A	0.113%
Continental AG	0.113%

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Name	Weight
Compass Group PLC	0.113%
Sumitomo Electric Industries, Ltd.	0.112%
Volvo AB Class B	0.111%
Tokio Marine Holdings, Inc.	0.111%
Electricite de France SA	0.111%
Emera Incorporated	0.111%
Telenor ASA	0.111%
Ricoh Company, Ltd.	0.110%
Franco-Nevada Corporation	0.110%
Givaudan SA	0.109%
Shionogi & Co., Ltd.	0.109%
Fanuc Corporation	0.108%
NN Group N.V.	0.108%
M&G Plc	0.108%
TFI International Inc.	0.108%
Kesko Oyj Class B	0.106%
Dollarama Inc.	0.106%
Direct Line Insurance Group Plc	0.105%
CLP Holdings Limited	0.105%
Electric Power Development Co., Ltd.	0.105%
Kobe Steel, Ltd.	0.105%
NatWest Group Plc	0.104%
EssilorLuxottica SA	0.103%
Ryanair Holdings Plc	0.103%
Marks and Spencer Group plc	0.101%
Kansai Electric Power Company, Incorporated	0.101%
CNH Industrial NV	0.101%
H&M Hennes & Mauritz AB Class B	0.100%
Nitto Denko Corp.	0.099%
Singapore Airlines Ltd.	0.099%
Nintendo Co., Ltd.	0.099%
United Utilities Group PLC	0.098%
Bank Hapoalim BM	0.098%
Svenska Handelsbanken AB Class A	0.098%
Yamada Holding Co., Ltd.	0.097%
Hydro One Limited	0.096%
Publicis Groupe SA	0.096%
AEON Co., Ltd.	0.096%
Constellation Software Inc.	0.095%
Chocoladefabriken Lindt & Spruengli AG Partizipsch.	0.094%
DAIKIN INDUSTRIES, LTD.	0.094%
Dassault Systemes SA	0.093%
Royal Mail plc	0.093%
Johnson Matthey Plc	0.092%

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Name	Weight
Aurizon Holdings Ltd.	0.092%
BANDAI NAMCO Holdings Inc.	0.091%
TAISEI CORP	0.091%
Sojitz Corp.	0.090%
Suzuki Motor Corp.	0.090%
Kone Oyj Class B	0.090%
Chubu Electric Power Company, Incorporated	0.089%
Swedbank AB Class A	0.089%
Associated British Foods plc	0.088%
Aurubis AG	0.088%
Nomura Research Institute, Ltd.	0.088%
Hapag-Lloyd AG	0.087%
DBS Group Holdings Ltd	0.087%
Isetan Mitsukoshi Holdings Ltd.	0.087%
Empire Co. Ltd. Class A	0.086%
Garmin Ltd.	0.086%
Compagnie Generale des Etablissements Michelin SCA	0.086%
J Sainsbury plc	0.086%
MEG Energy Corp.	0.084%
Osaka Gas Co., Ltd.	0.083%
Wolters Kluwer NV	0.081%
Alcon AG	0.080%
Ampol Limited	0.080%
Intesa Sanpaolo S.p.A.	0.080%
Banco BPM SpA	0.079%
Henkel AG & Co. KGaA Pref	0.079%
Daito Trust Construction Co., Ltd.	0.078%
Sonic Healthcare Limited	0.078%
Bluescope Steel Limited	0.078%
Kawasaki Heavy Industries Ltd.	0.077%
Goodman Group	0.077%
SEGRO plc	0.077%
Link Real Estate Investment Trust	0.077%
Heineken NV	0.076%
Vermilion Energy Inc.	0.076%
adidas AG	0.076%
Great-West Lifeco Inc.	0.076%
Medibank Private Ltd.	0.075%
Kingspan Group Plc	0.075%
Swiss Prime Site AG	0.075%
Carlsberg AS Class B	0.075%
Terna S.p.A.	0.075%
Siemens Healthineers AG	0.075%
MS&AD Insurance Group Holdings, Inc.	0.075%

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Name	Weight
Industria de Diseno Textil, S.A.	0.074%
Nordea Bank Abp	0.074%
Essity AB Class B	0.074%
Crown Resorts Limited	0.074%
Konica Minolta, Inc.	0.073%
APA Group	0.073%
Bureau Veritas SA	0.073%
Thales SA	0.073%
SUBARU CORP	0.072%
Sun Hung Kai Properties Limited	0.072%
Incitec Pivot Limited	0.072%
Olympus Corp.	0.072%
Geberit AG	0.071%
Keppel Corporation Limited	0.071%
TOPPAN INC.	0.071%
ORIX Corporation	0.071%
Heineken Holding N.V.	0.071%
Tohoku Electric Power Company, Incorporated	0.070%
Yamaha Motor Co., Ltd.	0.070%
Allegion Public Limited Company	0.070%
Aptiv PLC	0.069%
BASF SE	0.069%
ATCO Ltd. Class I	0.069%
RioCan Real Estate Investment Trust	0.069%
CRH Plc	0.068%
Vonovia SE	0.068%
International Consolidated Airlines Group SA	0.068%
Capgemini SE	0.067%
QBE Insurance Group Limited	0.066%
Airbus SE	0.066%
ANA Holdings Inc.	0.066%
ASSA ABLOY AB Class B	0.066%
E.ON SE	0.066%
BPER Banca S.p.A.	0.066%
Unipol Gruppo S.p.A.	0.066%
TIS Inc.	0.065%
Dai Nippon Printing Co., Ltd.	0.065%
Transurban Group Ltd.	0.065%
Barclays PLC	0.064%
Wilmar International Limited	0.064%
Straumann Holding AG	0.064%
Euronext NV	0.064%
CI Financial Corp.	0.064%
Fortum Oyj	0.064%



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Name	Weight
Legrand SA	0.064%
Smurfit Kappa Group Plc	0.064%
Secom Co., Ltd.	0.064%
Renesas Electronics Corporation	0.063%
Hong Kong & China Gas Co. Ltd.	0.063%
Subsea 7 S.A.	0.063%
SGS SA	0.063%
Meiji Holdings Co., Ltd.	0.062%
NH Foods Limited	0.062%
Telefonica Deutschland Holding AG	0.062%
Israel Discount Bank Limited Class A	0.062%
Teleperformance SA	0.062%
WH Group Ltd. (HK)	0.062%
Suntory Beverage & Food Ltd.	0.061%
West Japan Railway Company	0.061%
Novozymes A/S Class B	0.061%
Leonardo SpA	0.061%
Sandvik AB	0.061%
PSP Swiss Property AG	0.061%
Adecco Group AG	0.061%
Anglo American plc	0.061%
Asahi Group Holdings, Ltd.	0.061%
Nikon Corp.	0.061%
Kadokawa Corporation	0.060%
Kering SA	0.060%
GPT Group	0.060%
SHIMAMURA Co., Ltd.	0.060%
Sekisui House, Ltd.	0.060%
Dai-ichi Life Holdings, Inc.	0.060%
IMCD N.V.	0.060%
Gildan Activewear Inc.	0.059%
Smith & Nephew PLC	0.059%
Moncler SpA	0.059%
Actividades de Construccion y Servicios SA	0.059%
Dassault Aviation SA	0.059%
Sekisui Chemical Co., Ltd.	0.059%
MTR Corporation Limited	0.058%
First Quantum Minerals Ltd.	0.058%
Metcash Limited	0.058%
voestalpine AG	0.057%
Seiko Epson Corp.	0.057%
Nokia Oyj	0.057%
Shinko Electric Industries Co., Ltd.	0.057%
UCB S.A.	0.057%

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Name	Weight
TOKYU CORPORATION	0.057%
STMicroelectronics NV	0.056%
Whitehaven Coal Limited	0.056%
Travis Perkins plc	0.056%
Salzgitter AG	0.056%
Turquoise Hill Resources Ltd.	0.056%
Mitsubishi Materials Corp.	0.056%
Onex Corporation	0.055%
Randstad NV	0.055%
Tourmaline Oil Corp.	0.055%
Canadian National Railway Company	0.054%
Nexans SA	0.054%
Safran S.A.	0.054%
West Fraser Timber Co. Ltd.	0.054%
Kikkoman Corporation	0.054%
Schindler Holding AG Pref	0.054%
Power Assets Holdings Limited	0.054%
AMP Limited	0.053%
Jardine Matheson Holdings Limited	0.053%
Telefonaktiebolaget LM Ericsson Class B	0.053%
Royal Unibrew A/S	0.053%
HUGO BOSS AG	0.053%
Bunzl plc	0.053%
Stora Enso Oyj Class R	0.053%
Orsted	0.053%
Aareal Bank AG	0.053%
Sumitomo Corporation	0.052%
New World Development Co. Ltd.	0.052%
AGL Energy Limited	0.052%
LEG Immobilien SE	0.052%
freenet AG	0.052%
TOMRA Systems ASA	0.052%
Hino Motors,Ltd.	0.052%
WPP Plc	0.051%
Snam S.p.A.	0.051%
Whitecap Resources Inc.	0.051%
DSV A/S	0.050%
Electrolux AB Class B	0.050%
Finning International Inc.	0.050%
Elisa Oyj Class A	0.050%
Nippon Building Fund, Inc.	0.050%
Covestro AG	0.050%
Toromont Industries Ltd.	0.050%
Mitsui Chemicals, Inc.	0.050%

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Name	Weight
Unibail-Rodamco-Westfield SE Stapled Secs Cons of 1 Sh Unibail Rodamco + 1 Sh WFC	0.049%
Comfortdelgro Corporation Limited	0.049%
Mitsubishi Motors Corporation	0.049%
Aena SME SA	0.049%
OMRON Corporation	0.049%
Vestas Wind Systems A/S	0.049%
Rio Tinto Limited	0.049%
Aristocrat Leisure Limited	0.049%
Lundin Energy AB	0.049%
Yakult Honsha Co., Ltd.	0.049%
SES SA FDR (Class A)	0.048%
Assicurazioni Generali S.p.A.	0.048%
Ashtead Group plc	0.048%
Otsuka Holdings Co., Ltd.	0.048%
Shin-Etsu Chemical Co Ltd	0.048%
Eutelsat Communications SA	0.048%
Newcrest Mining Limited	0.048%
Sumitomo Rubber Industries, Ltd.	0.048%
Advantest Corp.	0.047%
NSK Ltd.	0.047%
Proximus SA de droit public	0.047%
South32 Ltd.	0.047%
Acerinox SA	0.047%
Micro Focus International plc	0.047%
Takashimaya Company, Limited	0.047%
VAT Group AG	0.047%
Bezeq The Israel Telecommunication Corp. Ltd.	0.047%
Fuji Electric Co., Ltd.	0.047%
Brambles Limited	0.047%
Spark New Zealand Limited	0.047%
Canadian Utilities Limited Class A	0.047%
Terumo Corporation	0.047%
Alstom SA	0.046%
3i Group plc	0.046%
Delek Group Ltd.	0.046%
Sega Sammy Holdings Inc.	0.046%
Barry Callebaut AG	0.046%
Uniper SE	0.046%
Kerry Group Plc Class A	0.046%
Sumitomo Forestry Co., Ltd.	0.045%
JTEKT Corporation	0.045%
Galenica AG	0.045%
Obayashi Corporation	0.045%
Sompo Holdings, Inc.	0.045%

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Name	Weight
Fujikura Ltd	0.044%
Abrdn plc	0.044%
Jazz Pharmaceuticals Public Limited Company	0.044%
Iida Group Holdings Co., Ltd.	0.044%
Kyushu Electric Power Company, Incorporated	0.044%
LIXIL Corporation	0.044%
Cosmo Energy Holdings Co., Ltd.	0.044%
Chow Tai Fook Jewellery Group Limited	0.043%
Jeronimo Martins, SGPS S.A.	0.043%
ProSiebenSat.1 Media SE	0.043%
Georg Fischer AG	0.043%
MTU Aero Engines AG	0.043%
Arcadis NV	0.043%
Hitachi Transport System, Ltd.	0.043%
SARAS S.p.A. - Raffinerie Sarde	0.043%
Methanex Corporation	0.043%
NTN Corporation	0.042%
Tele2 AB Class B	0.042%
Mondi plc	0.042%
Daiwa House REIT Investment Corporation	0.042%
Hongkong Land Holdings Limited	0.042%
Downer EDI Limited	0.042%
SITC International Holdings Co., Ltd.	0.042%
Amadeus IT Group SA Class A	0.042%
Toyota Boshoku Corp.	0.042%
Swedish Match AB	0.042%
Oji Holdings Corp.	0.042%
Nitori Holdings Co., Ltd.	0.041%
Daiwa Securities Group Inc.	0.041%
DKSH Holding AG	0.041%
Celestica Inc.	0.041%
Logitech International S.A.	0.041%
Faurecia Societe europeenne	0.041%
L'Oreal S.A.	0.041%
Mizrahi Tefahot Bank Ltd	0.040%
Nippon Electric Glass Co., Ltd.	0.040%
Nisshinbo Holdings Inc.	0.040%
Peyto Exploration & Development Corp.	0.040%
Kawasaki Kisen Kaisha, Ltd.	0.040%
Persimmon Plc	0.040%
Venture Corporation Limited	0.040%
GCL Technology Holdings Limited	0.040%
GLP-J REIT	0.039%
Dowa Holdings Co., Ltd.	0.039%

## RAFI™ Dynamic Multi-Factor Developed ex-US Index



Index Constituents as of: 5/31/2022

The RAFI Multi-Factor index series offers diversified factor exposures through allocations to value, low volatility, quality, momentum, and size. The Dynamic Multi-Factor strategy takes time-varying exposures to the same five factors. The index uses recent and historical metrics to tilt toward factor portfolios which are particularly attractive on a forward looking basis.

Name	Weight
BHP Group Ltd	0.039%
ORIX JREIT Inc.	0.039%
Trane Technologies plc	0.039%
Ferrovial, S.A.	0.039%
Eurofins Scientific Societe Europeenne	0.039%
K'S Holdings Corporation	0.039%
BE Semiconductor Industries N.V.	0.039%
Mapfre SA	0.039%
SKF AB Class B	0.039%
Hannover Rueck SE	0.038%
Autoliv Inc.	0.038%
Sims Ltd.	0.038%
Topdanmark A/S	0.038%
Japan Real Estate Investment Corp.	0.038%
Pacific Basin Shipping Limited	0.038%
Inchcape plc	0.038%
ISS A/S	0.038%
Berkeley Group Holdings plc	0.038%
KBC Group N.V.	0.037%
Saputo Inc.	0.037%
Nissin Foods Holdings Co., Ltd.	0.037%
WSP Global Inc.	0.037%
Computershare Limited	0.037%
Amplifon S.p.A.	0.037%
Trend Micro Incorporated	0.037%
Orica Limited	0.037%
SIG Group AG	0.037%
Nippon Prologis REIT, Inc.	0.036%
CapitaLand Integrated Commercial Trust	0.036%
Hang Seng Bank, Limited	0.036%
Eisai Co., Ltd.	0.036%
Casino, Guichard-Perrachon SA	0.036%
Granite Real Estate Investment Trust Stapled Units - 1 Granite RE Inc + 1 TU Granite RE	0.036%
Azimut Holding Spa	0.036%
Wartsila Oyj Abp	0.036%
Lottery Corporation Limited	0.036%
SG Holdings Co., Ltd.	0.036%
IHI Corporation	0.036%
Warehouses De Pauw SCA	0.036%
Aroundtown SA	0.036%
Credit Agricole SA	0.036%
Rolls-Royce Holdings plc	0.035%
Skandinaviska Enskilda Banken AB Class A	0.035%
Kloeckner & Co SE	0.035%

## RAFI™ Dynamic Multi-Factor Developed ex-US Index



Index Constituents as of: 5/31/2022

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Name	Weight
Unicharm Corporation	0.035%
Orkla ASA	0.035%
Lendlease Group	0.035%
PERSOL HOLDINGS CO. LTD.	0.035%
Mcdonalds Holdings Company Japan, Ltd.	0.035%
Teva Pharmaceutical Industries Limited Sponsored ADR	0.035%
DCC Plc	0.035%
Viva Energy Group Ltd.	0.035%
Chugoku Electric Power Co., Inc.	0.035%
FAST RETAILING CO., LTD.	0.034%
Compania de Distribucion Integral Logista Holdings S.A.	0.034%
Toho Co. Ltd.	0.034%
CaixaBank SA	0.034%
Iluka Resources Limited	0.034%
EQT AB	0.033%
Koito Manufacturing Co., Ltd.	0.033%
Axfood AB	0.033%
Mineral Resources Limited	0.033%
Insurance Australia Group Limited	0.033%
Sembcorp Industries Ltd.	0.033%
Toyo Suisan Kaisha, Ltd.	0.032%
Kyushu Railway Company	0.032%
Kojamo Oyj	0.032%
Shimadzu Corporation	0.032%
Land Securities Group PLC	0.032%
Z Holdings Corporation	0.032%
Fresenius SE & Co. KGaA	0.032%
Viscofan, S.A.	0.032%
Grafton Group Plc	0.032%
Citizen Watch Co, Ltd.	0.032%
Coloplast A/S Class B	0.032%
Croda International Plc	0.032%
Fresenius Medical Care AG & Co. KGaA	0.031%
Toyota Gosei Co., Ltd.	0.031%
Skyworth Group Limited	0.031%
D/S Norden A/S	0.031%
Parex Resources Inc.	0.031%
CSL Limited	0.031%
Aker Solutions ASA	0.031%
VERBUND AG Class A	0.031%
H&R Real Estate Investment Trust	0.031%
FirstService Corp	0.031%
Elbit Systems Ltd	0.031%
NTT DATA Corporation	0.031%

## RAFI™ Dynamic Multi-Factor Developed ex-US Index



Index Constituents as of: 5/31/2022

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Name	Weight
Advance Residence Investment Corporation	0.031%
Canadian Apartment Properties Real Estate Investment Trust	0.030%
Japan Post Bank Co., Ltd.	0.030%
Deutsche Pfandbriefbank AG	0.030%
JAPAN POST INSURANCE Co., Ltd.	0.030%
Beiersdorf AG	0.030%
Eramet SA	0.030%
Sydbank A/S	0.030%
Dexerials Corp.	0.030%
Canadian Pacific Railway Limited	0.030%
United Urban Investment Corporation	0.030%
Capcom Co., Ltd.	0.030%
Iwatani Corporation	0.030%
NIBE Industrier AB Class B	0.030%
Carl Zeiss Meditec AG	0.030%
Drax Group plc	0.030%
Kubota Corporation	0.030%
Flughafen Zurich AG	0.030%
Sumitomo Mitsui Trust Holdings, Inc.	0.030%
Fletcher Building Limited	0.029%
METRO AG	0.029%
Aperam SA	0.029%
UPM-Kymmene Oyj	0.029%
Glanbia Plc	0.029%
UBE Corporation	0.029%
JB Hi-Fi Limited	0.029%
Linamar Corporation	0.029%
Schaeffler AG	0.029%
Medipal Holdings Corporation	0.028%
Internet Initiative Japan Inc.	0.028%
Open Text Corporation	0.028%
DiaSorin S.p.A.	0.028%
TietoEVRY Oyj	0.028%
TOHO GAS Co., Ltd.	0.028%
Haseko Corporation	0.028%
Rheinmetall AG	0.028%
SalMar ASA	0.028%
Vicinity Centres	0.028%
SFS Group AG	0.028%
Gjensidige Forsikring ASA	0.028%
Toyo Seikan Group Holdings Ltd.	0.027%
Singapore Technologies Engineering Ltd	0.027%
Resona Holdings, Inc.	0.027%
Ackermans & van Haaren NV	0.027%

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Index Constituents as of: 5/31/2022

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Name	Weight
bioMerieux SA	0.027%
HKT Trust and HKT Ltd	0.027%
Cofinimmo SA	0.027%
Kewpie Corporation	0.027%
Swire Pacific Limited Class A	0.027%
Japan Prime Realty Investment Corporation	0.027%
Outokumpu Oyj	0.027%
IGO Limited	0.027%
Ferrari NV	0.027%
Nissan Chemical Corporation	0.026%
Hitachi Zosen Corporation	0.026%
Northern Star Resources Ltd	0.026%
Rentokil Initial plc	0.026%
CK Infrastructure Holdings Limited	0.026%
Vitesco Technologies Group AG	0.026%
Kenon Holdings Ltd.	0.026%
Ringkjoebing Landbobank A/S	0.026%
ASX Limited	0.026%
Alfresa Holdings Corporation	0.026%
Azbil Corporation	0.026%
Sankyo Co., Ltd.	0.026%
ageas SA/NV	0.026%
Nexity SA Class A	0.026%
Corbion NV	0.026%
Bucher Industries AG	0.026%
Iren S.p.A.	0.026%
Cembra Money Bank AG	0.026%
Tobu Railway Co., Ltd.	0.026%
Japan Metropolitan Fund Investment Corporation	0.026%
Epiroc AB Class A	0.025%
Yaskawa Electric Corporation	0.025%
ULVAC, Inc.	0.025%
Cineplex Inc.	0.025%
Kintetsu Group Holdings Co., Ltd.	0.025%
TUI AG	0.025%
Fuchs Petrolub SE Pref	0.025%
Chugai Pharmaceutical Co., Ltd.	0.025%
Taylor Wimpey plc	0.025%
Israel Corporation Ltd.	0.025%
Scor SE	0.025%
Japan Petroleum Exploration Co., Ltd.	0.025%
Ascendas Real Estate Investment Trust	0.025%
SUMCO Corporation	0.025%
Bank of Queensland Limited	0.025%



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Index Constituents as of: 5/31/2022

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Name	Weight
Graincorp Limited Class A	0.024%
Arkema SA	0.024%
EMS-CHEMIE HOLDING AG	0.024%
Intertrust NV	0.024%
Getinge AB Class B	0.024%
Royal Vopak NV	0.024%
Nomura Real Estate Master Fund, Inc.	0.024%
Tryg A/S	0.024%
Allreal Holding AG	0.024%
EDP Renovaveis SA	0.024%
Sodexo SA	0.024%
Furukawa Electric Co., Ltd.	0.024%
Ferrexpo plc	0.024%
Allied Properties Real Estate Investment Trust	0.024%
Jardine Cycle & Carriage Limited	0.023%
Indutrade AB	0.023%
TAG Immobilien AG	0.023%
Banca Generali S.p.A.	0.023%
Thule Group AB	0.023%
Atlassian Corp. Plc Class A	0.023%
Etablissements Franz Colruyt N.V.	0.023%
Unicaja Banco S.A.	0.023%
Mixi, Inc.	0.023%
CCL Industries Inc. Class B	0.023%
Daicel Corporation	0.023%
Rohto Pharmaceutical Co., Ltd.	0.023%
ANIMA Holding S.p.A.	0.023%
Birchcliff Energy Ltd.	0.023%
Mapletree Industrial Trust	0.023%
Colliers International Group Inc.	0.023%
Addtech AB Class B	0.023%
Northland Power Inc.	0.022%
ONO Pharmaceutical Co., Ltd.	0.022%
Banca Popolare di Sondrio S.c.p.A.	0.022%
BKW AG	0.022%
Makita Corporation	0.022%
Mapletree North Asia Commercial Trust	0.022%
FOOD & LIFE COMPANIES LTD.	0.022%
Kenedix Office Investment Corporation	0.022%
Davide Campari-Milano N.V.	0.022%
Aozora Bank, Ltd.	0.022%
Truly International Holdings Limited	0.022%
Suzuken Co., Ltd.	0.022%
Saipem S.p.A.	0.022%

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Name	Weight
Bilfinger SE	0.022%
Oil Refineries Ltd.	0.022%
Disco Corporation	0.022%
Knorr-Bremse AG	0.022%
Sonae SGPS SA	0.022%
Societe BIC SA	0.022%
Yamaha Corporation	0.022%
Hankyu Hanshin Holdings, Inc.	0.022%
Kurita Water Industries Ltd.	0.022%
Erste Group Bank AG	0.022%
Kagome Co., Ltd.	0.021%
NHK Spring Co., Ltd.	0.021%
IGM Financial Inc.	0.021%
Morinaga Milk Industry Co., Ltd.	0.021%
Emmi AG	0.021%
Mitsui Mining and Smelting Company, Limited	0.021%
Grand City Properties SA	0.021%
QIAGEN NV	0.021%
SCSK Corporation	0.021%
Landis+Gyr Group AG	0.021%
Nichirei Corporation	0.021%
Russel Metals Inc.	0.021%
Japan Hotel Reit Investment Corporation	0.021%
Sekisui House Reit. Inc.	0.021%
Brembo S.p.A.	0.021%
Frontier Real Estate Investment Corporation	0.021%
Taiheiyo Cement Corporation	0.021%
Man Group PLC	0.021%
Santos Limited	0.021%
SMC Corporation	0.021%
Wallenius Wilhelmsen ASA	0.021%
MinebeaMitsumi Inc.	0.021%
Beijer Ref AB Class B	0.021%
Elia Group SA/NV	0.021%
CTS Eventim AG & Co. KGaA	0.020%
Banca IFIS S.p.A.	0.020%
Sumitomo Osaka Cement Co., Ltd.	0.020%
KONAMI HOLDINGS CORP	0.020%
Industrial & Infrastructure Fund Investment Corporation	0.020%
Pandora A/S	0.020%
Enerplus Corporation	0.020%
RTL Group S.A.	0.020%
Banca Mediolanum SpA	0.020%
Fielmann AG	0.020%

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Name	Weight
Durr AG	0.020%
AEON REIT Investment Corp.	0.020%
ASR Nederland NV	0.020%
Misumi Group Inc.	0.020%
Quebecor Inc. Class B	0.020%
Alten SA	0.020%
Nine Entertainment Co. Holdings Limited	0.020%
Currys PLC	0.020%
FinecoBank SpA	0.020%
Evolution Mining Limited	0.020%
Hitachi Metals, Ltd.	0.020%
EDION Corp	0.020%
Ansell Limited	0.020%
Square Enix Holdings Co., Ltd.	0.020%
Shopping Centres Australasia Property Group RE Ltd.	0.020%
Yamazaki Baking Co., Ltd.	0.020%
Maple Leaf Foods Inc.	0.019%
Kingboard Holdings Limited	0.019%
Azrieli Group Ltd.	0.019%
AltaGas Ltd.	0.019%
Nagoya Railroad Co., Ltd.	0.019%
Valmet Corp	0.019%
HORNBACK Holding AG & Co. KGaA	0.019%
NOS SGPS SA	0.019%
Euronav NV	0.019%
Nippon Paper Industries Co., Ltd.	0.019%
Burberry Group plc	0.019%
Hang Lung Properties Limited	0.019%
Recordati Industria Chimica e Farmaceutica S.p.A.	0.019%
Barco NV	0.019%
Korian SA	0.019%
GEA Group Aktiengesellschaft	0.019%
Sacyr S.A.	0.019%
NICE Ltd. (Israel)	0.019%
Admiral Group plc	0.019%
TMX Group Ltd.	0.019%
Otsuka Corporation	0.019%
DIC Corporation	0.019%
T&D Holdings, Inc.	0.019%
Whitbread PLC	0.019%
Kobe Bussan Co., Ltd.	0.019%
CSR Limited	0.019%
Hakuhodo Dy Holdings Incorporated	0.019%
Corus Entertainment Inc. Class B	0.018%

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Name	Weight
Nihon Kohden Corporation	0.018%
Reece Limited	0.018%
Lifco AB Class B	0.018%
Morinaga & Co., Ltd.	0.018%
TKH Group N.V. Cert	0.018%
Meridian Energy Limited	0.018%
Mirvac Group	0.018%
BW LPG Ltd.	0.018%
Carsales.Com Limited	0.018%
Sanwa Holdings Corporation	0.018%
AURELIUS Equity Opportunities SE & Co. KGaA	0.018%
Sohgo Security Services Co., Ltd.	0.018%
Ryohin Keikaku Co., Ltd.	0.018%
ROUND ONE Corporation	0.018%
COMSYS Holdings Corporation	0.018%
Aryzta AG	0.018%
ALSO Holding AG	0.018%
Bosideng International Holdings Limited	0.018%
Sundrug Co., Ltd.	0.018%
SmartCentres Real Estate Investment Trust	0.018%
TechnoPro Holdings Inc.	0.018%
Tokyo Steel Manufacturing Co., Ltd.	0.018%
Italgas SpA	0.018%
Richelieu Hardware Ltd	0.018%
Banque Cantonale Vaudoise	0.018%
UOL Group Limited	0.018%
Resolute Forest Products Inc.	0.018%
ALD SA	0.018%
Nippon Accommodations Fund Inc.	0.018%
Ipsen SA	0.018%
Penta-Ocean Construction Co., Ltd.	0.018%
Domino's Pizza Enterprises Limited	0.017%
Zenkoku Hoshu Co., Ltd.	0.017%
Aker BP ASA	0.017%
Asahi Holdings, Inc.	0.017%
Seek Limited	0.017%
Scandic Hotels Group AB	0.017%
Boral Limited	0.017%
Kongsberg Gruppen ASA	0.017%
Suedzucker AG	0.017%
Cochlear Limited	0.017%
Stockland	0.017%
Tokyo Ohka Kogyo Co., Ltd.	0.017%
GN Store Nord A/S	0.017%

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Name	Weight
Rengo Co., Ltd.	0.017%
Intertape Polymer Group Inc.	0.017%
Autogrill S.p.A.	0.017%
Japan Logistics Fund, Inc.	0.017%
Contact Energy Limited	0.017%
Enagas SA	0.017%
Fuji Media Holdings, Inc.	0.017%
CECONOMY AG	0.017%
Kamigumi Co., Ltd.	0.017%
First International Bank of Israel Ltd	0.017%
Nippon Light Metal Holdings Co., Ltd.	0.017%
Restaurant Brands International Inc	0.017%
Kaneka Corporation	0.017%
Cathay Pacific Airways Limited	0.016%
Paz Oil Co. Ltd.	0.016%
Spirax-Sarco Engineering PLC	0.016%
Stanley Electric Co., Ltd.	0.016%
Westshore Terminals Investment Corporation	0.016%
Hazama Ando Corp.	0.016%
Macnica Fuji Electronics Holdings, Inc	0.016%
EBOS Group Limited	0.016%
IG Group Holdings plc	0.016%
Kajima Corporation	0.016%
Henderson Land Development Co. Ltd.	0.016%
NOF Corporation	0.016%
Kobayashi Pharmaceutical Co., Ltd.	0.016%
iA Financial Corporation Inc.	0.016%
Aeroports de Paris SA	0.016%
Lagardere SA	0.016%
Nippon Shinyaku Co., Ltd.	0.016%
Invincible Investment Corp.	0.016%
Lawson, Inc.	0.016%
Nankai Electric Railway Co., Ltd.	0.016%
Harvey Norman Holdings Ltd	0.016%
TS Tech Co., Ltd.	0.016%
RATIONAL AG	0.016%
SHO BOND Holdings Co., Ltd.	0.016%
Scout24 SE	0.016%
North West Company Inc.	0.016%
Alkermes Plc	0.015%
NIPPON GAS Co., Ltd.	0.015%
ITV PLC	0.015%
NTT UD REIT Investment Corporation	0.015%
H.U.Group Holdings, Inc.	0.015%

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Name	Weight
Aalberts N.V.	0.015%
Klepierre SA	0.015%
Toyo Tire Corporation	0.015%
Sopra Steria Group SA	0.015%
Mori Hills Reit Investment Corporation	0.015%
Coronado Global Resources Inc. Shs Chess Depository Interests Repr 10 Sh	0.015%
Gibson Energy Inc.	0.015%
Wharf (Holdings) Ltd.	0.015%
Pan Pacific International Holdings Corporation	0.015%
CyberAgent, Inc.	0.015%
Bilia AB Class A	0.015%
De'Longhi S.p.A.	0.015%
Greggs plc	0.015%
DEUTZ AG	0.015%
NCC AB Class B	0.015%
Daiwa Office Investment Corporation	0.015%
Scandinavian Tobacco Group A/S	0.015%
Galp Energia, SGPS S.A. Class B	0.015%
Meitec Corporation	0.015%
Yoshinoya Holdings Co., Ltd.	0.015%
UACJ Corp.	0.015%
Hufvudstaden AB Class A	0.015%
Acciona SA	0.015%
ZIM Integrated Shipping Services Ltd.	0.015%
Keio Corporation	0.015%
Skylark Holdings Co., Ltd.	0.015%
Stella-Jones Inc.	0.015%
Talanx AG	0.015%
USS Co., Ltd.	0.015%
Bank of Ireland Group Plc	0.015%
Daiwa Securities Living Investment Corporation	0.015%
Hosiden Corp.	0.015%
NEXON Co., Ltd.	0.015%
Rinnai Corporation	0.015%
Sartorius Stedim Biotech SA	0.015%
Daetwyler Holding AG	0.015%
Nippon Sanso Holdings Corporation	0.014%
Marui Group Co., Ltd.	0.014%
H2O Retailing Corporation	0.014%
Gestamp Automocion S.A.	0.014%
AB Sagax Class B	0.014%
ALS Ltd.	0.014%
Hulic Reit, Inc.	0.014%
Adastria Co.,Ltd.	0.014%

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Name	Weight
Kemira Oyj	0.014%
ERG S.p.A.	0.014%
Fujitec Co., Ltd.	0.014%
Auckland International Airport Limited	0.014%
Mediaset Espana Comunicacion SA	0.014%
Daido Steel Co., Ltd.	0.014%
Infrastrutture Wireless Italiane S.p.A.	0.014%
Inghams Group Ltd.	0.014%
Hysan Development Co., Ltd.	0.014%
Killam Apartment Real Estate Investment Trust	0.014%
Remy Cointreau SA	0.014%
OCI NV	0.014%
TSURUHA Holdings, Inc.	0.014%
dormakaba Holding AG	0.014%
Odakyu Electric Railway Co., Ltd.	0.014%
Helvetia Holding Ltd	0.014%
ENAV S.p.A.	0.014%
Befimmo SA	0.014%
Leroy Seafood Group ASA	0.014%
Dream Industrial Real Estate Investment Trust	0.014%
Daiwabo Holdings Co., Ltd.	0.014%
NetLink NBN Trust	0.014%
Eldorado Gold Corporation	0.014%
Alps Alpine Co., Ltd.	0.014%
Holmen AB Class B	0.014%
Fnac Darty SA	0.013%
Relo Group, Inc.	0.013%
Cogeco Communications Inc.	0.013%
DMG MORI CO., LTD.	0.013%
Stelco Holdings, Inc.	0.013%
Open House Group Co. Ltd	0.013%
Danieli & C. Officine Meccaniche S.p.A.	0.013%
Alumina Limited	0.013%
Next plc	0.013%
Super Retail Group Limited	0.013%
Orora Ltd.	0.013%
Harel Insurance Investments & Financial Services Ltd.	0.013%
IMI plc	0.013%
Bankinter SA	0.013%
Shikoku Electric Power Company, Incorporated	0.013%
EXEO Group, Inc.	0.013%
Arjo AB Class B	0.013%
Nishi-Nippon Financial Holdings, Inc.	0.013%
Hays plc	0.013%

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Name	Weight
Elior Group SA	0.013%
Electrolux Professional AB Class B	0.013%
MFE-MediaForEurope NV Class B	0.013%
Salvatore Ferragamo S.p.A.	0.013%
Metropole Television SA	0.013%
Severn Trent Plc	0.013%
CyberArk Software Ltd.	0.013%
Kinden Corporation	0.013%
Artis Real Estate Investment Trust	0.013%
Check Point Software Technologies Ltd.	0.013%
Kohnan Shoji Co., Ltd.	0.013%
Television Francaise 1 SA	0.013%
China Water Affairs Group Limited	0.013%
CA Immobilien Anlagen AG	0.013%
Charter Hall Group	0.013%
Swire Properties Limited	0.013%
Betsson AB Class B	0.013%
BRP, Inc.	0.013%
OZ Minerals Limited	0.013%
Suntec Real Estate Investment Trust	0.013%
Charter Hall Long WALE REIT	0.012%
Asics Corporation	0.012%
Premium Brands Holdings Corp	0.012%
Casio Computer Co., Ltd.	0.012%
PCCW Limited	0.012%
Mivne Real Estate (K.D) Ltd.	0.012%
RS Group PLC	0.012%
SCREEN Holdings Co., Ltd	0.012%
National Storage REIT	0.012%
Tate & Lyle PLC	0.012%
Sandfire Resources Limited	0.012%
Ebara Corporation	0.012%
Leopalace21 Corporation	0.012%
Solvay SA	0.012%
VGP NV	0.012%
Shufersal Ltd Class B	0.012%
Home Capital Group Inc.	0.012%
Seino Holdings Co., Ltd.	0.012%
Kingboard Laminates Holdings Limited	0.012%
Perpetual Limited	0.012%
Japan Excellent, Inc.	0.012%
Interfor Corporation	0.012%
Ascott Residence Trust	0.012%
Coca-Cola HBC AG	0.012%



## RAFI™ Dynamic Multi-Factor Developed ex-US Index



Index Constituents as of: 5/31/2022

The RAFI Multi-Factor index series offers diversified factor exposures through allocations to value, low volatility, quality, momentum, and size. The Dynamic Multi-Factor strategy takes time-varying exposures to the same five factors. The index uses recent and historical metrics to tilt toward factor portfolios which are particularly attractive on a forward looking basis.

Name	Weight
Howden Joinery Group PLC	0.012%
Crombie Real Estate Investment Trust	0.012%
OBIC Co., Ltd.	0.012%
Ritchie Bros. Auctioneers Incorporated	0.012%
H.I.S.Co., Ltd.	0.012%
Valiant Holding AG	0.012%
Software AG	0.012%
Babcock International Group PLC	0.012%
Seven Bank, Ltd.	0.012%
Nisshin Seifun Group Inc.	0.012%
Descartes Systems Group Inc.	0.012%
Stantec Inc	0.012%
MERLIN Properties SOCIMI, S.A.	0.012%
Millicom International Cellular SA Swedish Depository Receipt	0.012%
Elis SA	0.012%
NOK Corporation	0.012%
Prada S.p.A.	0.012%
Mirait Holdings Corporation	0.012%
Tokuyama Corporation	0.011%
Redes Energeticas Nacionais SA	0.011%
Valora Holding AG	0.011%
Transcontinental Inc. Class A	0.011%
Pendal Group Limited	0.011%
Atlas Arteria	0.011%
Enerflex Ltd.	0.011%
Inabata & Co., Ltd.	0.011%
Monadelphous Group Limited	0.011%
Bendigo & Adelaide Bank Ltd.	0.011%
NGK SPARK PLUG CO., LTD.	0.011%
Finnair Oyj	0.011%
La Francaise des Jeux SA	0.011%
Tomy Company, Ltd.	0.011%
Doutor Nichires Holdings Co., Ltd.	0.011%
Mullen Group Ltd.	0.011%
VEON Ltd. Sponsored ADR	0.011%
Kerry Properties Limited	0.011%
Forbo Holding AG	0.011%
Wisetech Global Ltd.	0.011%
SPH REIT	0.011%
Sartorius AG Pref	0.011%
BIPROGY Inc.	0.011%
Kanematsu Corporation	0.011%
CIE Automotive, S.A.	0.011%
Osterreichische Post AG	0.011%

## RAFI™ Dynamic Multi-Factor Developed ex-US Index



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Name	Weight
Aecon Group Inc.	0.011%
Autobacs Seven Co., Ltd.	0.011%
Dream Office Real Estate Investment Trust Class A	0.011%
Hong Kong Exchanges & Clearing Ltd.	0.011%
Mercer International Inc.	0.011%
Plus500 Ltd.	0.011%
Interpump Group S.p.A.	0.011%
Saizeriya Co., Ltd.	0.011%
SPIE SA	0.011%
Brother Industries, Ltd.	0.011%
ANDRITZ AG	0.011%
Keppel REIT	0.011%
Lululemon Athletica Inc	0.011%
Choice Properties Real Estate Investment Trust	0.011%
JAFCO Group Co., Ltd.	0.011%
Winpak Ltd.	0.011%
HOSHIZAKI Corp.	0.011%
Brookfield Infrastructure Corp. (New York) Class A	0.011%
Hopson Development Holdings Limited	0.011%
Tosoh Corporation	0.011%
Daiichikosho Co., Ltd.	0.011%
Computacenter Plc	0.011%
Nishimatsu Construction Co., Ltd.	0.011%
KYB Corporation	0.011%
Lion Corporation	0.011%
Oracle Corporation Japan	0.011%
Frasers Group PLC	0.011%
Regis Resources Limited	0.011%
Toho Holdings Co., Ltd.	0.011%
Kerry Logistics Network Ltd.	0.011%
Gungho Online Entertainment, Inc.	0.011%
CALBEE, Inc.	0.011%
Maxell. Ltd.	0.011%
Nordic Semiconductor ASA	0.011%
Hokkaido Electric Power Company, Incorporated	0.011%
Ship Healthcare Holdings, Inc.	0.011%
Orion Oyj Class B	0.010%
Paltac Corporation	0.010%
Tokyo Seimitsu Co., Ltd	0.010%
MARTINREA International Inc.	0.010%
OSG Corp	0.010%
Chemtrade Logistics Income Fund	0.010%
Sotetsu Holdings, Inc.	0.010%
Webuild S.p.A.	0.010%

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Name	Weight
Tritax Big Box REIT Plc	0.010%
Ezaki Glico Co., Ltd.	0.010%
Pason Systems Inc.	0.010%
ITO EN,Ltd.	0.010%
Mori Trust Sogo Reit, Inc.	0.010%
Draegerwerk AG & Co. KGaA Pref	0.010%
Bolloré SE	0.010%
Sugi Holdings Co., Ltd.	0.010%
Waypoint REIT Ltd.	0.010%
Toyobo Co., Ltd.	0.010%
Cleanaway Waste Management Ltd.	0.010%
Krones AG	0.010%
Superior Plus Corp	0.010%
Capital Power Corporation	0.010%
ABC-MART, INC.	0.010%
Gerresheimer AG	0.010%
easyJet plc	0.010%
DTS Corporation	0.010%
Nakanishi Inc.	0.010%
Topcon Corp.	0.010%
Siltronic AG	0.010%
Ivanhoe Mines Ltd. Class A	0.010%
John Wood Group PLC	0.010%
J. FRONT RETAILING Co., Ltd.	0.010%
DCM Holdings Co., Ltd.	0.010%
Somfy SA	0.010%
Citycon Oyj	0.010%
Sanyo Special Steel Co., Ltd.	0.010%
CT Real Estate Investment Trust	0.010%
Halma plc	0.010%
Wizz Air Holdings Plc	0.010%
Yaoko Co., Ltd.	0.010%
Shurgard Self Storage SA	0.010%
Melexis NV	0.010%
NIB Holdings Ltd	0.010%
New Hope Corporation Limited	0.010%
Zensho Holdings Co., Ltd.	0.010%
SENKO Group Holdings Co.Ltd.	0.010%
Lotus Bakeries NV	0.010%
DeNA Co., Ltd.	0.010%
Olam Group Limited	0.010%
Navigator Company SA	0.010%
Cascades Inc.	0.010%
Shibaura Machine Co., Ltd.	0.010%

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Name	Weight
Schroders PLC	0.010%
BAWAG Group AG	0.010%
NIPPON STEEL TRADING CORPORATION	0.010%
SSR Mining Inc	0.009%
Ain Holdings Inc.	0.009%
Park24 Co., Ltd.	0.009%
Sixt SE	0.009%
Activia Properties, Inc.	0.009%
Heiwa Corporation	0.009%
Nippon Television Holdings, Inc.	0.009%
B&M European Value Retail SA	0.009%
Amot Investments Ltd.	0.009%
YIT Oyj	0.009%
Europris ASA	0.009%
Pilot Corporation	0.009%
Indivior PLC	0.009%
IRESS Limited	0.009%
Kintetsu World Express, Inc.	0.009%
TV Asahi Holdings Corporation	0.009%
SkiStar AB Class B	0.009%
Santen Pharmaceutical Co., Ltd.	0.009%
Tsumura & Co.	0.009%
Kumagai Gumi Co., Ltd.	0.009%
Itoham Yonekyu Holdings, Inc.	0.009%
Auto Trader Group PLC	0.009%
PUMA SE	0.009%
Nagase & Co., Ltd.	0.009%
Intertek Group plc	0.009%
NSD Co., Ltd.	0.009%
TOKAI RIKA CO., LTD.	0.009%
Kaken Pharmaceutical Co., Ltd.	0.009%
Itochu Techno-Solutions Corporation	0.009%
Wacker Neuson SE	0.009%
SBM Offshore NV	0.009%
Infratil Limited	0.009%
HK Electric Investments & HK Electric Investments Ltd.	0.009%
Fukuoka Reit Corporation	0.009%
Seiko Holdings Corporation	0.009%
Nojima Co Ltd	0.009%
Seria Co., Ltd.	0.009%
Pets At Home Group Plc	0.009%
Alpen Co., Ltd.	0.009%
FirstGroup plc	0.009%
Frasers Logistics & Commercial Trust	0.009%

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Name	Weight
Storebrand ASA	0.009%
Barratt Developments PLC	0.009%
Aica Kogyo Company, Limited	0.009%
Nomura Real Estate Holdings, Inc.	0.009%
Hanwa Co., Ltd.	0.009%
Taisho Pharmaceutical Holdings Co., Ltd.	0.009%
Chartwell Retirement Residences	0.009%
Borregaard ASA	0.009%
Canadian Solar Inc.	0.009%
Wacker Chemie AG	0.009%
Bure Equity AB	0.009%
Investec plc	0.009%
Airport City Ltd	0.009%
Koei Tecmo Holdings Co., Ltd.	0.009%
Golden Agri-Resources Ltd	0.009%
QinetiQ Group plc	0.008%
OKI Electric Industry Company, Limited	0.008%
Hokuriku Electric Power Company	0.008%
Fuji Oil Holdings, Inc.	0.008%
Mainfreight Limited	0.008%
AAK AB	0.008%
Fastighets AB Balder Class B	0.008%
Western Forest Products Inc.	0.008%
Elders Limited	0.008%
Austevoll Seafood ASA	0.008%
Nobia AB	0.008%
SpareBank 1 Nord-Norge	0.008%
Shimizu Corporation	0.008%
Carnival plc	0.008%
Ultra Electronics Holdings plc	0.008%
Almirall SA	0.008%
International Petroleum Corp. (British Columbia)	0.008%
Nissin Electric Co., Ltd.	0.008%
St. James's Place Plc	0.008%
Senshu Ikeda Holdings, Inc.	0.008%
House Foods Group Inc.	0.008%
Joyful Honda Co. Ltd.	0.008%
Eurazeo SA	0.008%
Sulzer AG	0.008%
Huhtamaki Oyj	0.008%
Cowell e Holdings Inc.	0.008%
COSMOS Pharmaceutical Corporation	0.008%
M3, Inc.	0.008%
SJM Holdings Limited	0.008%

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Name	Weight
Diploma PLC	0.008%
AEON Delight Co., Ltd.	0.008%
Maruha Nichiro Corp.	0.008%
Daio Paper Corporation	0.008%
G CITY LTD.	0.008%
Sumitomo Mitsui Construction Co., Ltd.	0.008%
Pennon Group Plc	0.008%
Cloetta AB Class B	0.008%
Mercury NZ Ltd.	0.008%
Swedish Orphan Biovitrum AB	0.008%
Wallenstam AB Class B	0.008%
Steadfast Group Limited	0.008%
Criteo SA Sponsored ADR	0.008%
Amano Corporation	0.008%
Atrium Ljungberg AB Class B	0.008%
Hokuhoku Financial Group, Inc.	0.008%
Takeuchi Mfg.Co., Ltd.	0.008%
Sage Group plc	0.008%
Sheng Siong Group Ltd.	0.008%
Ebro Foods SA	0.008%
ADBRI Limited	0.008%
ElringKlinger AG	0.008%
Suruga Bank Ltd.	0.008%
Pola Orbis Holdings Inc.	0.008%
Avex Inc.	0.008%
Challenger Limited	0.008%
Paramount Resources Ltd. Class A	0.008%
KOMERI CO., LTD.	0.008%
Kulicke & Soffa Industries, Inc.	0.008%
Glory Ltd.	0.008%
Breville Group Limited	0.008%
Canon Marketing Japan Inc.	0.008%
BML , Inc.	0.008%
HEXPOL AB Class B	0.008%
Sanken Electric Co., Ltd.	0.008%
Sakata Seed Corporation	0.008%
Terveystalo Oy Class A	0.007%
BWP Trust	0.007%
SAN-AI OBBLI CO. LTD	0.007%
Prosegur Compania de Seguridad SA	0.007%
TOTO Ltd	0.007%
Greencore Group Plc	0.007%
Star Entertainment Group Limited	0.007%
Token Corporation	0.007%

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Name	Weight
Matsuda Sangyo Co., Ltd.	0.007%
Wihlborgs Fastigheter AB	0.007%
Uponor Oyj Class A	0.007%
Cranswick plc	0.007%
D'leteren Group SA/NV	0.007%
Kura Sushi, Inc.	0.007%
BIG Shopping Centers Ltd.	0.007%
Solar A/S Class B	0.007%
Hokuetsu Corporation	0.007%
Precision Drilling Corporation	0.007%
Taiyo Holdings Co., Ltd.	0.007%
Exedy Corporation	0.007%
Growthpoint Properties Australia	0.007%
Welcia Holdings Co., Ltd.	0.007%
TOYO INK SC HOLDINGS CO.,LTD.	0.007%
Fabege AB	0.007%
Nishimatsuya Chain Co., Ltd.	0.007%
Samhallsbyggnadsbolaget I Norden AB Class B	0.007%
CapitaLand China Trust	0.007%
Meggitt PLC	0.007%
VTech Holdings Limited	0.007%
Latour AB Investment Class B	0.007%
Kyudenko Corporation	0.007%
Frasers Centrepoint Trust	0.007%
Metso Outotec Oyj	0.007%
Tabcorp Holdings Limited	0.007%
PageGroup PLC	0.007%
Duskin Co., Ltd.	0.007%
NOMURA Co., Ltd.	0.007%
UNITED ARROWS LTD.	0.007%
Yokohama Rubber Co., Ltd.	0.007%
Nolato AB Class B	0.007%
ConvaTec Group Plc	0.007%
Worley Limited	0.007%
Grieg Seafood ASA	0.007%
CNP Assurances SA	0.007%
Nordex SE	0.007%
Samsonite International S.A.	0.007%
Japan Steel Works, Ltd.	0.007%
Event Hospitality & Entertainment Ltd.	0.007%
Hera S.p.A.	0.007%
Catena AB	0.007%
IMMOFINANZ AG	0.007%
Algonquin Power & Utilities Corp.	0.007%

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Name	Weight
Cellnex Telecom S.A.	0.007%
Tricon Residential Inc	0.007%
Genworth Mortgage Insurance Australia Ltd	0.007%
Koninklijke BAM Groep NV	0.007%
First Pacific Co. Ltd.	0.007%
Atea ASA	0.007%
Man Wah Holdings Limited	0.007%
Lee & Man Paper Manufacturing Limited	0.007%
Phoenix Holdings Ltd.	0.007%
ASKUL Corporation	0.007%
FIBI Holdings Ltd.	0.007%
Fraport AG	0.007%
Nova Ltd.	0.007%
DFI Retail Group Holdings Limited	0.007%
Entra ASA	0.007%
Invocare Limited	0.007%
Keppel DC REIT	0.007%
Arcs Company, Limited	0.006%
UNIQA Insurance Group AG	0.006%
Chr. Hansen Holding A/S	0.006%
MEGMILK SNOW BRAND Co., Ltd.	0.006%
Life Corporation	0.006%
Nokian Renkaat Oyj	0.006%
Cogeco Inc.	0.006%
SEB SA	0.006%
Adeka Corp.	0.006%
Rothschild & Co. SCA	0.006%
LondonMetric Property Plc	0.006%
Jyske Bank A/S	0.006%
TransAlta Corporation	0.006%
Taikisha Ltd.	0.006%
HOCHTIEF Aktiengesellschaft	0.006%
Sapporo Holdings Limited	0.006%
RHI Magnesita NV	0.006%
Technip Energies NV	0.006%
Alony Hetz Properties & Investments Ltd.	0.006%
PAL GROUP Holdings Co., Ltd.	0.006%
Izumi Co., Ltd.	0.006%
SAN-A CO., LTD.	0.006%
Corem Property Group AB Class B	0.006%
Ushio Inc.	0.006%
Kureha Corporation	0.006%
Mitsubishi Shokuhin Co., Ltd.	0.006%
S Foods Inc.	0.006%



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Name	Weight
HEIWADO CO., LTD.	0.006%
Mapletree Commercial Trust	0.006%
Nisshin OilliO Group, Ltd.	0.006%
Hutchison Port Holdings Trust	0.006%
Galaxy Entertainment Group Limited	0.006%
Big Yellow Group PLC	0.006%
ARIAKE JAPAN Co., Ltd.	0.006%
Mebuki Financial Group, Inc.	0.006%
Kaga Electronics Co., Ltd.	0.006%
AMADA Co., Ltd.	0.006%
TRATON SE	0.006%
Maruichi Steel Tube Ltd.	0.006%
Banca Monte dei Paschi di Siena S.p.A.	0.006%
Golden Ocean Group Ltd	0.006%
Tsubakimoto Chain Co.	0.006%
MatsukiyoCocokara & Co.	0.006%
Sanyo Chemical Industries, Ltd.	0.006%
Nyfosa AB	0.006%
Yue Yuen Industrial (Holdings) Limited	0.006%
First Capital Real Estate Investment Trust	0.006%
Central Glass Co., Ltd.	0.006%
Summit Industrial Income REIT	0.006%
Mediclinic International Plc	0.006%
Credito Emiliano S.p.A.	0.006%
Noritz Corporation	0.006%
Coca-Cola Bottlers Japan Holdings Inc.	0.006%
Sligro Food Group N.V.	0.006%
Tokyu Construction Co., Ltd.	0.006%
Deutsche EuroShop AG	0.006%
Lancashire Holdings Limited	0.006%
Temenos AG	0.006%
Vitasoy International Holdings Limited	0.006%
Schweiter Technologies AG	0.006%
Spin Master Corp	0.006%
Toshiba Tec Corp.	0.006%
Esprinet S.p.A.	0.006%
Starts Corporation Inc.	0.006%
S IMMO AG	0.006%
Blackmores Limited	0.006%
ITOCHU ENEX CO., LTD.	0.006%
Kandenko Co., Ltd.	0.006%
Strauss Group Ltd	0.006%
EVN AG	0.006%
Okinawa Electric Power Co., Inc.	0.006%

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Name	Weight
NIPPON Corporation	0.006%
Tokai Holdings Corporation	0.006%
Yamato Kogyo Co., Ltd.	0.005%
SAS AB	0.005%
Arcland Sakamoto Co., Ltd.	0.005%
SKYCITY Entertainment Group Limited	0.005%
Nippon Kayaku Co., Ltd.	0.005%
Icade SA	0.005%
Inmobiliaria Colonial SOCIMI SA	0.005%
NWS Holdings Limited	0.005%
Noevir Holdings Co., Ltd.	0.005%
Resorttrust, Inc.	0.005%
Kakaku.com, Inc.	0.005%
Gimv NV	0.005%
Japan Exchange Group, Inc.	0.005%
Telenet Group Holding NV	0.005%
Universal Music Group N.V.	0.005%
TAKKT AG	0.005%
St.Galler Kantonalbank AG	0.005%
REA Group Ltd	0.005%
STO SE & Co. KGaA Vorz.Akt. ohne Stimmrecht	0.005%
Bystronic AG	0.005%
Grainger plc	0.005%
Musashi Seimitsu Industry Co., Ltd.	0.005%
Flight Centre Travel Group Limited	0.005%
Hamburger Hafen und Logistik AG	0.005%
Vicat-Ciments Vicat SA	0.005%
Fincantieri SpA	0.005%
Sparebanken Vest	0.005%
Ohsho Food Service Corp.	0.005%
OSAKA SODA CO.,LTD.	0.005%
Nippon Soda Co., Ltd.	0.005%
Qantas Airways Limited	0.005%
InterContinental Hotels Group PLC	0.005%
Alm. Brand A/S	0.005%
Eagers Automotive Limited	0.005%
Petrofac Limited	0.005%
Reliance Worldwide Corp. Ltd.	0.005%
Savills plc	0.005%
Sanki Engineering Co., Ltd.	0.005%
Fisher & Paykel Healthcare Corporation Limited	0.005%
Horiba , Ltd.	0.005%
Nitto Kogyo Corporation	0.005%
Imerys SA	0.005%

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Name	Weight
Hirogin Holdings, Inc.	0.005%
ATS Automation Tooling Systems Inc.	0.005%
Vantage Towers AG	0.005%
Worldline SA	0.005%
Valor Holdings Co., Ltd.	0.005%
REIT 1 Ltd	0.005%
Mayr-Melnhof Karton AG	0.005%
Fortune Real Estate Investment Trust	0.005%
Shinsei Bank, Limited	0.005%
Carmila SA	0.005%
Kyoritsu Maintenance Co., Ltd.	0.005%
Takasago Thermal Engineering Co., Ltd.	0.005%
ESR-LOGOS REIT	0.005%
Banco Comercial Portugues S.A.	0.005%
Prima Meat Packers,Ltd.	0.005%
Crest Nicholson Holdings Plc	0.005%
DyDo Group Holdings, Inc.	0.005%
Shinmaywa Industries,Ltd.	0.005%
Raffles Medical Group Ltd	0.005%
Canadian Western Bank	0.005%
AT & S Austria Technologie & Systemtechnik Aktiengesellschaft	0.005%
NEC Networks & System Integration Corporation	0.005%
Medicover AB Class B	0.005%
MARR SpA	0.005%
Biffa Plc	0.005%
Delek Automotive Systems Ltd.	0.005%
Sumitomo Bakelite Co., Ltd.	0.005%
KYORIN Holdings, Inc.	0.005%
BIC Cameras Inc.	0.005%
Lindab International AB	0.005%
Meidensha Corporation	0.005%
Hogy Medical Co., Ltd.	0.005%
FP Corporation	0.005%
Nine Dragons Paper Holdings Ltd.	0.005%
Schouw & Co A/S	0.005%
Melisron Limited	0.005%
Bombardier Inc. Class B	0.005%
Seibu Holdings, Inc.	0.005%
SpareBank 1 SR-Bank ASA	0.005%
ZOZO, Inc.	0.005%
Softcat Plc	0.005%
HKBN Ltd.	0.005%
MCJ Co., Ltd.	0.005%
Nippon Suisan Kaisha, Ltd.	0.005%

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Name	Weight
JCDecaux SA	0.005%
Systemex Corporation	0.005%
G8 Education Limited	0.005%
Britvic plc	0.005%
VT Holdings Co., Ltd.	0.005%
Mycronic AB	0.005%
United Super Markets Holdings, Inc.	0.005%
Descente, Ltd.	0.005%
Jupiter Fund Management plc	0.005%
Yellow Hat Ltd.	0.005%
Antofagasta plc	0.005%
Chugoku Marine Paints, Ltd.	0.005%
Maytronics Ltd.	0.005%
Chugoku Bank, Limited	0.005%
transcosmos Inc.	0.005%
Xinyi Glass Holdings Limited	0.005%
Aida Engineering, Ltd.	0.005%
CTP N.V.	0.005%
Hachijuni Bank, Ltd.	0.005%
Hyakujushi Bank, Ltd.	0.005%
Keppel Infrastructure Trust	0.005%
Benesse Holdings, Inc.	0.005%
JENOPTIK AG	0.005%
Secure Income REIT PLC	0.005%
AIB Group PLC	0.005%
Seiren Co., Ltd.	0.005%
Fuji Co., Ltd.	0.004%
G.U.D. Holdings Limited	0.004%
Mitsuboshi Belting Ltd.	0.004%
Retail Estates NV	0.004%
Fancl Corporation	0.004%
Austal Limited	0.004%
Okinawa Cellular Telephone Company	0.004%
Raito Kogyo Co., Ltd.	0.004%
Nippon Paint Holdings Co., Ltd.	0.004%
Earth Corporation	0.004%
Great Portland Estates plc	0.004%
Toyo Construction Co., Ltd.	0.004%
METAWATER Co. Ltd.	0.004%
Paramount Bed Holdings Co., Ltd.	0.004%
F.C.C.Co., Ltd.	0.004%
NuVista Energy Ltd.	0.004%
Spire Healthcare Group PLC	0.004%
Cawachi Limited	0.004%

## RAFI™ Dynamic Multi-Factor Developed ex-US Index



Index Constituents as of: 5/31/2022

The RAFI Multi-Factor index series offers diversified factor exposures through allocations to value, low volatility, quality, momentum, and size. The Dynamic Multi-Factor strategy takes time-varying exposures to the same five factors. The index uses recent and historical metrics to tilt toward factor portfolios which are particularly attractive on a forward looking basis.

Name	Weight
Kose Corporation	0.004%
Telecom Plus PLC	0.004%
Veidekke ASA	0.004%
StarHub Ltd	0.004%
LifeWorks Inc	0.004%
Sanoma Oyj	0.004%
IDOM Inc.	0.004%
Shaftesbury PLC	0.004%
Sands China Ltd.	0.004%
Beijer Alma AB Class B	0.004%
Tamron Co., Ltd.	0.004%
Hikari Tsushin, Inc.	0.004%
NagaCorp Ltd.	0.004%
Mandom Corporation	0.004%
Gunze Limited	0.004%
HELLA GmbH & Co. KGaA	0.004%
Agfa-Gevaert NV	0.004%
Hammerson plc	0.004%
Balfour Beatty plc	0.004%
Acea S.p.A.	0.004%
Moneysupermarket.com Group plc	0.004%
Keiyo Bank, Ltd.	0.004%
Ascendas India Trust	0.004%
Rami Levi Chain Stores Hashikma Marketing 2006 Ltd	0.004%
Kokuyo Co., Ltd.	0.004%
Fuyo General Lease Co., Ltd.	0.004%
Air New Zealand Limited	0.004%
Halfords Group Plc	0.004%
Secure Energy Services Inc.	0.004%
First Resources Ltd. (Singapore)	0.004%
Mitchells & Butlers plc	0.004%
Doman Building Materials Group Ltd	0.004%
Pirelli & C. S.p.A.	0.004%
Fujicco Co., Ltd.	0.004%
HomeServe plc	0.004%
Provident Financial PLC	0.004%
Shapir Engineering and Industry Ltd	0.004%
Gunma Bank, Ltd.	0.004%
Kyoei Steel Ltd.	0.004%
Hunting PLC	0.004%
Partner Communications Co. Ltd.	0.004%
ARB Corporation Limited	0.004%
Concentric AB	0.004%
Premier Foods plc	0.004%

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Name	Weight
Goodman Property Trust	0.004%
Centerra Gold Inc.	0.004%
Flow Traders NV	0.004%
Mizuno Corporation	0.004%
Sangetsu Corporation	0.004%
Danel (Adir Yeoshua) Ltd.	0.004%
Spectris plc	0.004%
Altarea SCA	0.004%
Nippon Kanzai Co., Ltd.	0.004%
Nihon Parkerizing Co., Ltd.	0.004%
Eclix Group Ltd.	0.004%
Inaba Denkisangyo Co., Ltd.	0.004%
Electra Consumer Products Ltd.	0.004%
Nanto Bank Ltd.	0.004%
WH Smith PLC	0.004%
Electra Ltd	0.004%
NFI Group Inc.	0.004%
Makino Milling Machine Co., Ltd.	0.004%
Musashino Bank, Ltd.	0.004%
Topre Corporation	0.004%
Raiffeisen Bank International AG	0.004%
Yuasa Trading Co., Ltd.	0.004%
Tokmanni Group Oyj	0.004%
Hill & Smith Holdings PLC	0.004%
OVS SpA	0.004%
AcadeMedia AB	0.004%
Noritake Co., Limited	0.004%
North Pacific Bank, Ltd.	0.004%
Plenus Co., Ltd.	0.004%
L'Occitane International S.A.	0.004%
KWS SAAT SE & Co KGaA	0.004%
NS Solutions Corp	0.004%
STRABAG SE	0.004%
Lenzing AG	0.004%
Sumitomo Warehouse Co., Ltd.	0.004%
Healius Limited	0.004%
Totetsu Kogyo Co., Ltd.	0.004%
Ryoyo Electro Corp.	0.004%
IGG, Inc.	0.004%
KBC Ancora SCA	0.004%
Spar Nord Bank A/S	0.004%
Loomis AB	0.004%
Sanyo Denki Co., Ltd.	0.004%
St. Barbara Ltd.	0.004%

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Index Constituents as of: 5/31/2022

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Name	Weight
Shiga Bank, Ltd.	0.004%
Arata Corporation	0.004%
Victrex plc	0.004%
Clal Insurance Enterprises Holdings Limited	0.004%
77 Bank, Ltd.	0.004%
Kiwi Property Group Ltd.	0.004%
TransAlta Renewables, Inc.	0.004%
Cimpres Plc	0.004%
Cementir Holding N.V.	0.004%
JD Sports Fashion Plc	0.004%
IAMGOLD Corporation	0.004%
Yuexiu Real Estate Investment Trust	0.004%
Capstone Copper Corp	0.004%
Mizuho Leasing Company, Limited	0.004%
Zojirushi Corporation	0.004%
Kitz Corporation	0.004%
InMode Ltd.	0.004%
Yamazen Corporation	0.004%
Hilan Ltd.	0.004%
Beazley Plc	0.003%
Okuma Corp.	0.003%
Boardwalk REIT	0.003%
GREE, Inc.	0.003%
Telekom Austria AG	0.003%
T-Gaia Corporation	0.003%
Dustin Group AB	0.003%
SSP Group Plc	0.003%
Create SD Holdings Co., Ltd.	0.003%
Insignia Financial Ltd	0.003%
Morgan Sindall Group plc	0.003%
Jaccs Co., Ltd.	0.003%
Sierra Wireless Inc.	0.003%
CDL Hospitality Trusts	0.003%
China High Speed Transmission Equipment Group Co., Ltd.	0.003%
Aktia Pankki Oyj Class A	0.003%
InterRent Real Estate Investment Trust	0.003%
Dah Sing Banking Group Limited	0.003%
Matsui Securities Co., Ltd.	0.003%
Aiful Corporation	0.003%
SpareBank 1 SMN	0.003%
NRW Holdings Limited	0.003%
Bank of Nagoya, Ltd.	0.003%
WACOAL HOLDINGS CORP	0.003%
Manulife US REIT	0.003%

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Index Constituents as of: 5/31/2022

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Name	Weight
Kato Sangyo Co., Ltd.	0.003%
Isracard Ltd.	0.003%
TRANCOM Co., Ltd.	0.003%
Charter Hall Retail REIT	0.003%
Reach plc	0.003%
Beach Energy Limited	0.003%
VSTECS Holdings Limited	0.003%
Sankyu Inc.	0.003%
Vesuvius Plc	0.003%
EQB Inc	0.003%
Lintec Corporation	0.003%
Canon Electronics Inc.	0.003%
Mcmillan Shakespeare Limited	0.003%
Vinda International Holdings Limited	0.003%
Premier Investments Limited	0.003%
COLOPL, Inc.	0.003%
First National Financial Corporation	0.003%
Daishi Hokuetsu Financial Group, Inc.	0.003%
Nichiha Corporation	0.003%
Laurentian Bank of Canada	0.003%
Okasan Securities Group Inc.	0.003%
Y. H. Dimri Building & Development Ltd.	0.003%
SHIZUOKA GAS CO. LTD.	0.003%
bpost SA	0.003%
Precinct Properties New Zealand Ltd.	0.003%
KUSURI NO AOKI HOLDINGS CO.,LTD.	0.003%
Doshisha Co., Ltd.	0.003%
Exchange Income Corporation	0.003%
Toa Corporation (Construction)	0.003%
OPC Energy Ltd.	0.003%
Singapore Post Ltd.	0.003%
Luk Fook Holdings (International) Limited	0.003%
San-in Godo Bank Ltd.	0.003%
Aichi Steel Corporation	0.003%
Tyman Plc	0.003%
Bunka Shutter Co., Ltd.	0.003%
Riso Kagaku Corporation	0.003%
Morgan Advanced Materials plc	0.003%
Marston's PLC	0.003%
Assura PLC	0.003%
Safestore Holdings plc	0.003%
Japan Aviation Electronics Industry, Limited	0.003%
Just Group plc	0.003%
NorthWest Healthcare Properties Real Estate Investment Trust	0.003%



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Name	Weight
Tokai Tokyo Financial Holdings, Inc.	0.003%
Yanlord Land Group Limited	0.003%
Keihan Holdings Co.,Ltd.	0.003%
Euromoney Institutional Investor PLC	0.003%
Takamatsu Construction Group Co., Ltd.	0.003%
Okumura Corporation	0.003%
Brickworks Ltd	0.003%
Nufarm Limited	0.003%
Stagecoach Group plc	0.003%
Kansai Paint Co., Ltd.	0.003%
Summerset Group Holdings Limited	0.003%
Sakai Moving Service Co., Ltd.	0.003%
GEO Holdings Corporation	0.003%
Ninety One Plc	0.003%
Saga plc	0.003%
Nittetsu Mining Co., Ltd.	0.003%
Euroapi SA	0.003%
Ashtröm Group Ltd.	0.003%
PZ Cussons Plc	0.003%
Joshin Denki Co., Ltd.	0.003%
OSB Group PLC	0.003%
Showa Sangyo Co., Ltd.	0.003%
PIOLAX, Inc.	0.003%
Haitong International Securities Group Limited	0.003%
Vivo Energy Plc	0.003%
Kissei Pharmaceutical Co., Ltd.	0.003%
Africa Israel Residences Ltd	0.003%
Genting Singapore Limited	0.003%
Starhill Global Real Estate Investment Trust	0.003%
Formula Systems (1985) Ltd.	0.003%
Sumitomo Densetsu Co., Ltd.	0.003%
Ibstock Plc	0.003%
Badger Infrastructure Solutions Ltd	0.003%
Virgin Money UK Plc	0.003%
Kiyo Bank, Ltd.	0.003%
New Gold Inc.	0.003%
Magellan Financial Group Ltd	0.002%
OKAMURA CORP	0.002%
Pacific Textiles Holdings Limited	0.002%
ECN Capital Corp.	0.002%
Cromwell Property Group	0.002%
Ryosan Company, Limited	0.002%
Taro Pharmaceutical Industries Ltd.	0.002%
Genesis Energy Limited	0.002%

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Name	Weight
Texhong Textile Group Limited	0.002%
Naked Wines plc	0.002%
Redde Northgate PLC	0.002%
Kanematsu Electronics Ltd.	0.002%
National Express Group PLC	0.002%
Sun Art Retail Group Limited	0.002%
Siix Corporation	0.002%
Haw Par Corporation Limited	0.002%
T. Hasegawa Co., Ltd.	0.002%
Fujitsu General Limited	0.002%
KMD Brands Limited	0.002%
Riken Vitamin Co., Ltd.	0.002%
YOKOREI CO. LTD.	0.002%
Nichicon Corporation	0.002%
Vistry Group PLC	0.002%
Kameda Seika Co., Ltd.	0.002%
Morguard North American Residential Real Estate Investment Trust	0.002%
Champion Real Estate Investment Trust	0.002%
Radware Ltd.	0.002%
Konoike Transport Co., Ltd.	0.002%
Ryman Healthcare Ltd.	0.002%
Melco Resorts & Entertainment Ltd. Sponsored ADR	0.002%
Torii Pharmaceutical Co., Ltd.	0.002%
Capita plc	0.002%
Hyakugo Bank, Ltd.	0.002%
TENMA CORPORATION	0.002%
Great Eagle Holdings Limited	0.002%
Fox-Wizel Ltd.	0.002%
One Software Technologies Ltd.	0.002%
Furukawa Co., Ltd.	0.002%
Aeon Hokkaido Corporation	0.002%
Yodogawa Steel Works, Ltd.	0.002%
RETAIL PARTNERS CO., LTD.	0.002%
K. Wah International Holdings Limited	0.002%
Workman Co., Ltd.	0.002%
SAIBU GAS HOLDINGS CO. LTD.	0.002%
Mitsui DM Sugar Holdings Co.Ltd	0.002%
Net One Systems Co., Ltd.	0.002%
TPR Co., Ltd.	0.002%
Redrow plc	0.002%
SKY Perfect JSAT Holdings Inc.	0.002%
Takasago International Corporation	0.002%
Hargreaves Lansdown plc	0.002%
Okamoto Industries, Inc.	0.002%

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Name	Weight
Essentra plc	0.002%
Eagle Industry Co., Ltd.	0.002%
Pasona Group Inc.	0.002%
Elementis plc	0.002%
Tronox Holdings Plc	0.002%
Towa Pharmaceutical Co., Ltd.	0.002%
Mega Or Holdings Ltd	0.002%
Yokogawa Bridge Holdings Corp.	0.002%
Summit Real Estate Holdings Ltd	0.002%
I.D.I. Insurance Company Ltd.	0.002%
Rotork plc	0.002%
Value Partners Group Limited	0.002%
Trusco Nakayama Corporation	0.002%
Pressance Corporation	0.002%
Genus plc	0.002%
Leon's Furniture Limited	0.002%
Dunelm Group plc	0.001%
Cineworld Group plc	0.001%
NIPPON ROAD CO., LTD.	0.001%
Restaurant Group plc	0.001%
Jiayuan International Group Ltd.	0.000%
Shimao Group Holdings Limited	0.000%

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