

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



Index Constituents as of: 4/30/2024

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
Novo Nordisk A/S Class B	1.526%
ASML Holding NV	0.902%
Novartis AG	0.878%
SAP SE	0.851%
GSK plc	0.827%
Unilever PLC	0.761%
Nestle S.A.	0.661%
Zurich Insurance Group Ltd	0.595%
HSBC Holdings Plc	0.592%
Hitachi,Ltd.	0.591%
Koninklijke Ahold Delhaize N.V.	0.582%
Mitsubishi Heavy Industries, Ltd.	0.581%
Honda Motor Co., Ltd.	0.558%
RELX PLC	0.555%
AstraZeneca PLC	0.544%
ABB Ltd.	0.542%
Roche Holding Ltd Dividend Right Cert.	0.541%
BAE Systems plc	0.539%
Tokyo Electron Ltd.	0.538%
Medtronic Plc	0.527%
Japan Tobacco Inc.	0.516%
Banco Santander, S.A.	0.509%
Orange SA	0.489%
Nintendo Co., Ltd.	0.488%
Toyota Motor Corp.	0.484%
Mizuho Financial Group, Inc.	0.475%
Stellantis N.V.	0.472%
National Grid plc	0.465%
KDDI Corporation	0.459%
Telefonica SA	0.459%
Enel SpA	0.433%
Volvo AB Class B	0.429%
Tesco PLC	0.418%
Eni S.p.A.	0.415%
Societe Generale S.A. Class A	0.414%
Bayerische Motoren Werke AG	0.406%
Safran SA	0.402%
Nippon Telegraph and Telephone Corporation	0.387%
JAPAN POST HOLDINGS Co., Ltd.	0.384%
Hermes International SCA	0.383%
Marubeni Corporation	0.381%
NXP Semiconductors NV	0.381%
SoftBank Corp.	0.379%
Fortescue Ltd	0.378%
Rio Tinto plc	0.377%

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Name	Weight
Atlas Copco AB Class A	0.375%
NEC Corp.	0.374%
Airbus SE	0.369%
Rio Tinto Limited	0.358%
Schneider Electric SE	0.355%
Industria de Diseno Textil, S.A.	0.355%
Renault SA	0.350%
Magna International Inc.	0.350%
ENGIE SA.	0.343%
Volkswagen AG Pref	0.339%
Sanofi	0.334%
NIPPON STEEL CORP.	0.333%
Iberdrola SA	0.326%
DBS Group Holdings Ltd	0.325%
Danone SA	0.325%
Repsol SA	0.319%
ENEOS Holdings, Inc.	0.318%
Wesfarmers Limited	0.315%
Tokyo Electric Power Company Holdings, Incorporated	0.311%
Reckitt Benckiser Group plc	0.310%
Banco Bilbao Vizcaya Argentaria, S.A.	0.310%
Banco de Sabadell SA	0.306%
Glencore plc	0.305%
Ferguson Plc	0.303%
adidas AG	0.298%
Allianz SE	0.294%
BP p.l.c.	0.293%
CGI Inc. Class A	0.292%
UniCredit S.p.A.	0.291%
Imperial Brands PLC	0.288%
Air Liquide SA	0.280%
Mitsubishi UFJ Financial Group, Inc.	0.279%
Trane Technologies plc	0.277%
MS&AD Insurance Group Holdings, Inc.	0.275%
Wolters Kluwer N.V.	0.274%
Shin-Etsu Chemical Co Ltd	0.269%
Vodafone Group Plc	0.269%
Fairfax Financial Holdings Limited	0.268%
Barclays PLC	0.262%
London Stock Exchange Group plc	0.262%
Takeda Pharmaceutical Co. Ltd.	0.262%
VINCI SA	0.257%
Mitsubishi Corporation	0.254%
3i Group plc	0.247%
Alimentation Couche-Tard Inc.	0.247%

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Name	Weight
Thomson Reuters Corporation	0.247%
Toyota Tsusho Corp.	0.246%
Givaudan SA	0.245%
Swiss Re AG	0.245%
Akzo Nobel N.V.	0.238%
Carrefour SA	0.236%
ArcelorMittal SA	0.236%
Nissan Motor Co., Ltd.	0.228%
Leonardo SpA	0.226%
Canadian National Railway Company	0.224%
Inpex Corporation	0.222%
Compass Group PLC	0.221%
Mazda Motor Corp.	0.221%
TotalEnergies SE	0.221%
Loblaw Companies Limited	0.221%
Deutsche Post AG	0.215%
Covestro AG	0.214%
Centrica plc	0.210%
UBS Group AG	0.209%
Experian PLC	0.209%
BHP Group Ltd	0.209%
Mercedes-Benz Group AG	0.208%
JFE Holdings, Inc.	0.207%
Woolworths Group Ltd	0.206%
Ferrari NV	0.205%
Recruit Holdings Co., Ltd.	0.204%
ASM International N.V.	0.204%
National Australia Bank Limited	0.203%
Seven & I Holdings Co., Ltd.	0.203%
Publicis Groupe SA	0.202%
Kansai Electric Power Company, Incorporated	0.198%
Rolls-Royce Holdings plc	0.198%
FUJIFILM Holdings Corp	0.198%
Compagnie Financiere Richemont SA	0.198%
Oversea-Chinese Banking Corporation Limited	0.197%
Mitsui & Co.,Ltd	0.194%
BCE Inc.	0.190%
Imperial Oil Limited	0.187%
Marks and Spencer Group plc	0.187%
Itochu Corporation	0.184%
Idemitsu Kosan Co., Ltd.	0.183%
Commonwealth Bank of Australia	0.182%
Kao Corp.	0.180%
EssilorLuxottica SA	0.180%
Garmin Ltd.	0.179%

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Name	Weight
Ashtead Group plc	0.179%
Commerzbank AG	0.175%
BPER Banca S.p.A.	0.175%
James Hardie Industries PLC Chess Units of Foreign Securities	0.175%
Suzuki Motor Corp.	0.175%
Aegon Ltd.	0.174%
Partners Group Holding AG	0.172%
Brambles Limited	0.171%
Japan Post Bank Co., Ltd.	0.170%
Constellation Software Inc.	0.170%
United Overseas Bank Limited	0.170%
Kirin Holdings Co. Ltd.	0.168%
Singapore Telecommunications Limited	0.168%
Canadian Natural Resources Limited	0.168%
Kobe Steel, Ltd.	0.166%
Intesa Sanpaolo S.p.A.	0.166%
Dollarama Inc.	0.165%
Bridgestone Corporation	0.165%
Next plc	0.164%
Munich Reinsurance Company	0.163%
ABN AMRO Bank N.V. Depositary receipts	0.162%
Sumitomo Electric Industries, Ltd.	0.162%
Vonovia SE	0.162%
Ajinomoto Co., Inc.	0.159%
E.ON SE	0.158%
BT Group plc	0.158%
Waste Connections, Inc.	0.156%
Compagnie de Saint-Gobain SA	0.154%
Rexel SA	0.151%
AEON Co., Ltd.	0.149%
Continental AG	0.149%
Deutsche Bank Aktiengesellschaft	0.149%
lululemon athletica inc.	0.148%
TOKYO GAS Co., Ltd.	0.145%
Shopify, Inc. Class A	0.144%
Siemens Aktiengesellschaft	0.143%
SoftBank Group Corp.	0.142%
ING Groep NV	0.142%
Aisin Corporation	0.141%
CRH public limited company	0.141%
Suncorp Group Limited	0.141%
Suncor Energy Inc.	0.140%
Mitsubishi Chemical Group Corporation	0.138%
A.P. Moller - Maersk A/S Class B	0.137%
ACS Actividades de Construcción y Servicios SA	0.137%

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Name	Weight
Chugai Pharmaceutical Co., Ltd.	0.137%
Essity AB Class B	0.137%
Telia Company AB	0.137%
Fresenius Medical Care AG	0.136%
Cie Generale des Etablissements Michelin SA	0.136%
Coles Group Ltd.	0.135%
EDP-Energias de Portugal SA	0.135%
Telecom Italia S.p.A.	0.134%
Nippon Yusen Kabushiki Kaisha	0.134%
Disco Corporation	0.134%
International Consolidated Airlines Group SA	0.133%
East Japan Railway Company	0.131%
InterContinental Hotels Group PLC	0.128%
Restaurant Brands International, Inc.	0.128%
Swisscom AG	0.128%
B&M European Value Retail SA	0.128%
Swiss Life Holding AG	0.128%
Chubu Electric Power Company, Incorporated	0.127%
UCB S.A.	0.126%
Intertek Group plc	0.124%
Royal KPN NV	0.124%
Admiral Group plc	0.124%
Westpac Banking Corporation	0.124%
Kuehne & Nagel International AG	0.122%
Osaka Gas Co., Ltd.	0.122%
Sun Hung Kai Properties Limited	0.121%
Kone Oyj Class B	0.121%
Diageo plc	0.120%
J Sainsbury plc	0.120%
Persimmon Plc	0.120%
Bouygues SA	0.120%
Endesa S.A.	0.119%
Mitsui O.S.K.Lines, Ltd.	0.119%
Adecco Group AG	0.118%
Holcim Ltd	0.117%
BASF SE	0.115%
ANZ Group Holdings Limited	0.115%
Wartsila Oyj Abp	0.115%
Brookfield Corporation	0.114%
Insurance Australia Group Ltd	0.114%
Assicurazioni Generali S.p.A.	0.112%
Anglo American plc	0.112%
Sampo Oyj	0.112%
Cosmo Energy Holdings Co., Ltd.	0.112%
Logitech International S.A.	0.111%

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Name	Weight
Power Corporation of Canada	0.111%
Universal Music Group N.V.	0.111%
Terumo Corporation	0.111%
Barrick Gold Corporation	0.111%
Mowi ASA	0.110%
Sage Group plc	0.108%
Equinor ASA	0.108%
Redeia Corporacion SA	0.108%
Telenor ASA	0.108%
CSL Limited	0.108%
Carlsberg AS Class B	0.106%
Alcon AG	0.105%
Chocoladefabriken Lindt & Spruengli AG Partizipsch.	0.105%
SCOR SE	0.104%
Nitori Holdings Co., Ltd.	0.104%
Sojitz Corp.	0.103%
Haleon PLC	0.102%
Bluescope Steel Limited	0.102%
Singapore Airlines Ltd.	0.102%
Nitto Denko Corp.	0.101%
Shell Plc	0.101%
Sandvik AB	0.100%
Check Point Software Technologies Ltd.	0.100%
Yara International ASA	0.099%
Mitsubishi Electric Corp.	0.099%
Macquarie Group, Ltd.	0.098%
TOPPAN Holdings Inc.	0.098%
Avantest Corp.	0.098%
Bunzl plc	0.098%
George Weston Limited	0.097%
LEG Immobilien SE	0.096%
ICON Plc	0.096%
Legrand SA	0.095%
Thales SA	0.095%
Fujikura Ltd	0.094%
Sonova Holding AG	0.094%
Daito Trust Construction Co., Ltd.	0.094%
Deutsche Telekom AG	0.094%
Capgemini SE	0.094%
LVMH Moet Hennessy Louis Vuitton SE	0.093%
Taylor Wimpey plc	0.093%
Murata Manufacturing Co., Ltd.	0.093%
Spotify Technology SA	0.093%
QBE Insurance Group Limited	0.092%
Dai Nippon Printing Co., Ltd.	0.092%

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Name	Weight
DENSO CORPORATION	0.092%
CK Hutchison Holdings Ltd	0.091%
Eldorado Gold Corporation	0.091%
Beiersdorf AG	0.090%
Renesas Electronics Corporation	0.090%
Pearson PLC	0.090%
Central Japan Railway Company	0.090%
Canadian Imperial Bank of Commerce	0.089%
Howden Joinery Group PLC	0.089%
Dassault Systemes SA	0.089%
Schindler Holding Ltd. Pref	0.089%
Tohoku Electric Power Company, Incorporated	0.089%
Manulife Financial Corporation	0.089%
Unipol Gruppo S.p.A.	0.088%
Kingspan Group Plc	0.088%
Heineken NV	0.088%
Canadian Tire Corporation, Limited Class A	0.088%
Heineken Holding N.V.	0.088%
Pandora A/S	0.087%
Sumitomo Corporation	0.087%
Origin Energy Limited	0.086%
SSE plc	0.086%
Celestica Inc.	0.086%
Evolution Mining Limited	0.085%
Mondi plc	0.084%
West Fraser Timber Co. Ltd.	0.084%
Wheaton Precious Metals Corp	0.084%
Fanuc Corporation	0.084%
Swedbank AB Class A	0.083%
Legal & General Group Plc	0.082%
Henkel AG & Co. KGaA Pref	0.082%
SSAB AB Class A	0.081%
Aviva plc	0.081%
Rheinmetall AG	0.081%
Severn Trent Plc	0.081%
Banca Popolare di Sondrio S.p.A.	0.081%
AGL Energy Limited	0.081%
Sumitomo Chemical Co., Ltd.	0.080%
United Utilities Group PLC	0.080%
Fresenius SE & Co. KGaA	0.080%
Allegion Public Limited Company	0.079%
Hannover Rueck SE	0.079%
Kyushu Electric Power Company, Incorporated	0.079%
Metro Inc.	0.078%
Cochlear Limited	0.078%

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Name	Weight
Astellas Pharma Inc.	0.078%
Medibank Private Ltd.	0.078%
NatWest Group Plc	0.078%
Ampol Limited	0.077%
Kawasaki Heavy Industries Ltd.	0.077%
BE Semiconductor Industries N.V.	0.077%
VAT Group AG	0.077%
DAIKIN INDUSTRIES, LTD.	0.077%
Ricoh Company, Ltd.	0.076%
Bank Hapoalim BM	0.076%
TFI International Inc.	0.076%
AGC Inc.	0.076%
Sumitomo Forestry Co., Ltd.	0.076%
IG Group Holdings plc	0.076%
Secom Co., Ltd.	0.076%
Mitsui Fudosan Co., Ltd.	0.075%
SGS SA	0.074%
Power Assets Holdings Limited	0.074%
CLP Holdings Limited	0.074%
Teck Resources Limited Class B	0.073%
TMX Group Ltd.	0.073%
FirstService Corp	0.073%
Sika AG	0.073%
Banco BPM SpA	0.073%
NN Group N.V.	0.073%
Intact Financial Corporation	0.073%
SKF AB Class B	0.073%
Goodman Group	0.072%
Terna S.p.A.	0.072%
M&G Plc	0.072%
Rentokil Initial plc	0.072%
Bank Leumi Le-Israel B.M.	0.072%
Swiss Prime Site AG	0.072%
Cameco Corporation	0.071%
ARC Resources Ltd.	0.070%
IMI plc	0.070%
Fortis Inc.	0.070%
JAPAN POST INSURANCE Co., Ltd.	0.069%
Keppel Ltd.	0.069%
Novonesis A/S Class B	0.069%
CAR Group Limited	0.068%
Kering SA	0.068%
Methanex Corporation	0.067%
K+S AG	0.067%
L'Oreal S.A.	0.066%



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Name	Weight
Euronext NV	0.066%
Isetan Mitsukoshi Holdings Ltd.	0.066%
Chugoku Electric Power Co., Inc.	0.066%
Iveco Group NV	0.065%
Mcdonalds Holdings Company Japan, Ltd.	0.065%
WH Group Ltd. (HK)	0.065%
Brookfield Asset Management Ltd. Class A	0.065%
Pernod Ricard SA	0.065%
Berkeley Group Holdings plc	0.065%
Straumann Holding AG	0.064%
Aristocrat Leisure Limited	0.064%
Ryanair Holdings Plc	0.064%
Shionogi & Co., Ltd.	0.063%
Shimano Inc.	0.063%
Yamaha Motor Co., Ltd.	0.063%
Randstad NV	0.063%
Saputo Inc.	0.063%
Sun Life Financial Inc.	0.063%
Symrise AG	0.062%
Hydro One Limited	0.062%
Antofagasta plc	0.062%
Finning International Inc.	0.062%
SARAS S.p.A. - Raffinerie Sarde	0.062%
Meiji Holdings Co., Ltd.	0.062%
Mitsubishi Materials Corp.	0.062%
Cellnex Telecom S.A.	0.061%
Galp Energia, SGPS S.A. Class B	0.061%
Kingfisher Plc	0.061%
Gildan Activewear Inc.	0.060%
Croda International Plc	0.060%
Sonic Healthcare Limited	0.060%
Smurfit Kappa Group PLC	0.060%
NH Foods Limited	0.059%
freenet AG	0.059%
Empire Co. Ltd. Class A	0.059%
Toromont Industries Ltd.	0.059%
HOYA CORPORATION	0.059%
Transurban Group Ltd.	0.058%
Veren Inc.	0.058%
Aena SME SA	0.058%
Aurizon Holdings Ltd.	0.058%
Auto Trader Group PLC	0.057%
Yamazaki Baking Co., Ltd.	0.057%
Veolia Environnement SA	0.057%
National Bank of Canada	0.057%

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Name	Weight
Obayashi Corporation	0.057%
Associated British Foods plc	0.057%
Diploma PLC	0.057%
West Japan Railway Company	0.057%
Northern Star Resources Ltd	0.057%
Hikma Pharmaceuticals Plc	0.057%
SEGRO plc	0.056%
PSP Swiss Property AG	0.056%
Carnival plc Sponsored ADR	0.056%
Koninklijke Philips N.V.	0.056%
Credit Agricole SA	0.056%
Stella-Jones Inc.	0.056%
Deutsche Lufthansa AG	0.056%
Royal Vopak NV	0.056%
NICE Ltd.	0.055%
Sekisui House, Ltd.	0.055%
Onex Corporation	0.055%
RB Global, Inc.	0.055%
Scout24 SE	0.055%
Otsuka Corporation	0.055%
Seek Limited	0.055%
SHIMAMURA Co., Ltd.	0.055%
Taisei Corporation	0.055%
Tele2 AB Class B	0.055%
Svenska Handelsbanken AB Class A	0.054%
Fisher & Paykel Healthcare Corporation Limited	0.054%
Merck KGaA	0.054%
Atlassian Corp Class A	0.054%
Isuzu Motors Limited	0.054%
ProSiebenSat.1 Media SE	0.053%
Flughafen Zurich AG	0.053%
Danske Bank A/S	0.053%
Kerry Group Plc Class A	0.053%
Sumitomo Rubber Industries, Ltd.	0.053%
Abrdn plc	0.053%
Electric Power Development Co., Ltd.	0.053%
TELUS Corporation	0.053%
bioMerieux SA	0.053%
Nippon Television Holdings, Inc.	0.053%
Taiheiyo Cement Corporation	0.053%
Iwatani Corporation	0.053%
ULVAC, Inc.	0.053%
Tate & Lyle PLC	0.053%
Teva Pharmaceutical Industries Limited Sponsored ADR	0.053%
Skandinaviska Enskilda Banken AB Class A	0.052%

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OMV AG	0.052%
Otsuka Holdings Co., Ltd.	0.052%
Yamato Holdings Co., Ltd.	0.052%
Parex Resources Inc.	0.052%
Buzzi Spa	0.051%
Wilmar International Limited	0.051%
Toyo Suisan Kaisha, Ltd.	0.051%
Autoliv Inc.	0.051%
Rubis SCA	0.051%
Drax Group plc	0.051%
Informa Plc	0.051%
Quebecor Inc. Class B	0.051%
Emera Incorporated	0.050%
ANA Holdings Inc.	0.050%
Sembcorp Industries Ltd.	0.050%
Hong Kong & China Gas Co. Ltd.	0.050%
Snam S.p.A.	0.050%
Konica Minolta, Inc.	0.050%
Sony Group Corporation	0.050%
Coloplast A/S Class B	0.050%
Wisetech Global Ltd.	0.049%
Fortum Oyj	0.049%
Coca-Cola HBC AG	0.049%
Direct Line Insurance Group Plc	0.049%
Viva Energy Group Ltd.	0.049%
CSR Limited	0.049%
HUGO BOSS AG	0.049%
Capcom Co., Ltd.	0.049%
TDK Corporation	0.048%
Epiroc AB Class A	0.048%
CyberArk Software Ltd.	0.048%
Ubisoft Entertainment SA	0.048%
JB Hi-Fi Limited	0.047%
Daiwa House Industry Co., Ltd.	0.047%
AerCap Holdings NV	0.047%
Nomura Research Institute, Ltd.	0.047%
Santen Pharmaceutical Co., Ltd.	0.047%
HOCHTIEF Aktiengesellschaft	0.047%
ConvaTec Group Plc	0.047%
Sandfire Resources Ltd	0.047%
Gibson Energy Inc.	0.046%
Babcock International Group PLC	0.046%
Forvia SE	0.046%
Colruyt Group N.V.	0.046%
Johnson Matthey Plc	0.046%

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Name	Weight
Zensho Holdings Co., Ltd.	0.046%
Skylark Holdings Co., Ltd.	0.045%
Logista Integral, S.A.	0.045%
Nomura Holdings, Inc.	0.045%
AAK AB	0.045%
Jardine Matheson Holdings Limited	0.045%
Mitsui Chemicals, Inc.	0.045%
Takashimaya Company, Limited	0.045%
EQT AB	0.045%
DMG MORI CO., LTD.	0.045%
Sekisui Chemical Co., Ltd.	0.045%
REA Group Ltd	0.045%
Daiwa Securities Group Inc.	0.044%
Georg Fischer AG	0.044%
Deutsche Boerse AG	0.044%
Greggs plc	0.044%
BKW AG	0.044%
Metcash Limited	0.044%
Aperam S.A.	0.044%
Erste Group Bank AG	0.044%
Fuji Electric Co., Ltd.	0.044%
CapitaLand Integrated Commercial Trust	0.044%
Kongsberg Gruppen ASA	0.044%
Man Group PLC	0.043%
Barratt Developments PLC	0.043%
Lendlease Group	0.043%
Arcadis NV	0.043%
Singapore Technologies Engineering Ltd	0.043%
Stantec Inc	0.043%
Mapfre SA	0.043%
Yamada Holding Co., Ltd.	0.043%
Toyota Industries Corp.	0.043%
Asics Corporation	0.043%
Acerinox SA	0.043%
Kikkoman Corporation	0.043%
Elisa Oyj Class A	0.043%
Orkla ASA	0.042%
Subsea 7 S.A.	0.042%
MTU Aero Engines AG	0.042%
Coca-Cola Bottlers Japan Holdings Inc.	0.042%
Unicharm Corporation	0.042%
Kajima Corporation	0.042%
UBE Corporation	0.042%
Coca-Cola Europacific Partners plc	0.041%
Recordati Industria Chimica e Farmaceutica S.p.A.	0.041%

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



Index Constituents as of: 4/30/2024

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
Kesko Oyj Class B	0.041%
Enagas SA	0.041%
TAG Immobilien AG	0.041%
Sankyo Co., Ltd.	0.041%
Swire Pacific Limited Class A	0.041%
Ipsen SA	0.041%
FUCHS SE Pref Registered Shs	0.041%
Suzuken Co., Ltd.	0.040%
Daicel Corporation	0.040%
CI Financial Corp.	0.040%
Glanbia Plc	0.040%
Japan Exchange Group, Inc.	0.040%
Solvay SA	0.040%
CK Asset Holdings Limited	0.040%
WSP Global Inc.	0.040%
Sumitomo Heavy Industries, Ltd.	0.040%
Hong Kong Exchanges & Clearing Ltd.	0.040%
Alps Alpine Co., Ltd.	0.039%
Vivendi SE	0.039%
Toyota Boshoku Corp.	0.039%
Medipal Holdings Corporation	0.039%
Canadian Pacific Kansas City Limited	0.039%
Link Real Estate Investment Trust	0.039%
Venture Corporation Limited	0.039%
Techtronic Industries Co., Ltd.	0.039%
Tokio Marine Holdings, Inc.	0.039%
Olympus Corp.	0.039%
COMSYS Holdings Corporation	0.039%
Sacyr SA	0.039%
Nisshin Seifun Group Inc.	0.039%
Valeo SE	0.039%
Teijin Limited	0.039%
Moncler SpA	0.038%
Melrose Industries PLC	0.038%
Singapore Exchange Ltd.	0.038%
Siemens Healthineers AG	0.038%
Azimut Holding Spa	0.038%
Hokkaido Electric Power Company, Incorporated	0.038%
Suntory Beverage & Food Ltd.	0.038%
Barry Callebaut AG	0.038%
Neste Corporation	0.038%
Hokuriku Electric Power Company	0.038%
JTEKT Corporation	0.038%
Descartes Systems Group Inc.	0.038%
Nichirei Corporation	0.037%

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



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Name	Weight
TOKYU CORPORATION	0.037%
Subaru Corporation	0.037%
Royal Unibrew A/S	0.037%
Nexans SA	0.037%
Mitsui Mining and Smelting Company, Limited	0.037%
Tokyo Seimitsu Co., Ltd	0.037%
NSK Ltd.	0.037%
Horiba , Ltd.	0.036%
Granite Real Estate Investment Trust Stapled Units - 1 Granite RE Inc + 1 TU Granite RE	0.036%
Eurazeo SE	0.036%
Elis SA	0.036%
voestalpine AG	0.036%
Morinaga Milk Industry Co., Ltd.	0.036%
Heidelberg Materials AG	0.036%
ATCO Ltd. Class I	0.036%
Tokyo Ohka Kogyo Co., Ltd.	0.036%
Indutrade AB	0.036%
Intermediate Capital Group plc	0.036%
Lotus Bakeries NV	0.036%
QIAGEN NV	0.035%
DKSH Holding AG	0.035%
Mizrahi Tefahot Bank Ltd	0.035%
Sanwa Holdings Corporation	0.035%
USS Co., Ltd.	0.035%
Inchcape plc	0.035%
Bureau Veritas SA	0.035%
Cenovus Energy Inc.	0.035%
Tokuyama Corporation	0.035%
BIPROGY Inc.	0.035%
Orion Oyj Class B	0.035%
Knorr-Bremse AG	0.035%
Whitbread PLC	0.035%
CapitalLand Ascendas REIT	0.035%
WPP Plc	0.034%
Seino Holdings Co., Ltd.	0.034%
RATIONAL AG	0.034%
Plus500 Ltd.	0.034%
Cowell e Holdings Inc.	0.034%
Santos Limited	0.034%
Dexus	0.034%
Galenica AG	0.034%
Stora Enso Oyj Class R	0.034%
Kewpie Corporation	0.034%
Pan Pacific International Holdings Corporation	0.034%
TSURUHA Holdings, Inc.	0.034%

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



Index Constituents as of: 4/30/2024

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Name	Weight
Furukawa Electric Co., Ltd.	0.034%
Jardine Cycle & Carriage Limited	0.034%
TietoEVERY Oyj	0.034%
Fuji Media Holdings, Inc.	0.034%
Amundi SA	0.034%
International Distribution Services plc	0.034%
Banque Cantonale Vaudoise	0.033%
Stockland	0.033%
Axfood AB	0.033%
Viscofan, S.A.	0.033%
Proximus SA	0.033%
Mapletree Industrial Trust	0.033%
Orsted	0.033%
Kinden Corporation	0.033%
IAMGOLD Corporation	0.032%
Smith & Nephew plc	0.032%
TRATON SE	0.032%
Linamar Corporation	0.032%
ICL Group Ltd.	0.032%
Orora Ltd.	0.032%
Lundin Mining Corporation	0.032%
Naturgy Energy Group, S.A.	0.032%
Brenntag SE	0.032%
Cembra Money Bank AG	0.032%
Ringjobing Landbobank A/S	0.032%
Jeronimo Martins, SGPS S.A.	0.032%
Penta-Ocean Construction Co., Ltd.	0.032%
FAST RETAILING CO., LTD.	0.032%
Nihon Kohden Corporation	0.032%
ALS Ltd.	0.032%
SalMar ASA	0.032%
Accor SA	0.031%
OSAKA SODA CO.,LTD.	0.031%
Sumitomo Realty & Development Co., Ltd.	0.031%
DSV A/S	0.031%
Franco-Nevada Corporation	0.031%
SG Holdings Co., Ltd.	0.031%
Redrow plc	0.031%
Thule Group AB	0.031%
Tomy Company, Ltd.	0.031%
Oji Holdings Corp.	0.030%
Nishi-Nippon Financial Holdings, Inc.	0.030%
Keisei Electric Railway Co., Ltd.	0.030%
Hazama Ando Corp.	0.030%
Talanx AG	0.030%

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Index Constituents as of: 4/30/2024

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Name	Weight
Socionext Inc.	0.030%
Pennon Group Plc	0.030%
Henderson Land Development Co. Ltd.	0.030%
Addtech AB Class B	0.030%
Grafton Group Plc	0.030%
Mitsubishi Motors Corporation	0.030%
Aroundtown SA	0.030%
Elbit Systems Ltd	0.030%
Galaxy Entertainment Group Limited	0.030%
Tobu Railway Co., Ltd.	0.030%
Regis Resources Limited	0.030%
Rohto Pharmaceutical Co., Ltd.	0.030%
Nippon Electric Glass Co., Ltd.	0.030%
Iida Group Holdings Co., Ltd.	0.030%
Harvey Norman Holdings Ltd	0.030%
Rengo Co., Ltd.	0.030%
Super Retail Group Limited	0.030%
monday.com Ltd.	0.030%
Toyo Seikan Group Holdings Ltd.	0.030%
Spark New Zealand Limited	0.030%
Rotork plc	0.030%
MTR Corporation Limited	0.030%
Element Fleet Management Corporation	0.030%
Canadian Apartment Properties Real Estate Investment Trust	0.030%
Seiko Epson Corp.	0.030%
SIG Group AG	0.029%
Russel Metals Inc.	0.029%
Morinaga & Co., Ltd.	0.029%
Toho Holdings Co., Ltd.	0.029%
QinetiQ Group plc	0.029%
Lawson, Inc.	0.029%
Softcat Plc	0.029%
Great-West Lifeco Inc.	0.029%
Inabata & Co., Ltd.	0.029%
De'Longhi S.p.A.	0.029%
SAWAI GROUP HOLDINGS Co., Ltd.	0.029%
Daido Steel Co., Ltd.	0.029%
Weir Group PLC	0.029%
Norsk Hydro ASA	0.029%
Eisai Co., Ltd.	0.029%
NOK Corporation	0.029%
K'S Holdings Corporation	0.028%
Games Workshop Group PLC	0.028%
Bellway p.l.c.	0.028%
Israel Discount Bank Limited Class A	0.028%



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Name	Weight
La Francaise des Jeux SA	0.028%
Betsson AB Class B	0.028%
APA Group	0.028%
Fujitsu Limited	0.028%
Algoma Steel Group Inc.	0.028%
Takeuchi Mfg.Co., Ltd.	0.028%
OMRON Corporation	0.028%
Grifols, S.A. Class A	0.028%
Prudential plc	0.028%
Enerplus Corporation	0.027%
Danieli & C. Officine Meccaniche S.p.A.	0.027%
JOYY, Inc. Sponsored ADR Class A	0.027%
Alfresa Holdings Corporation	0.027%
Securitas AB Class B	0.027%
Trend Micro Incorporated	0.027%
Bandai Namco Holdings Inc.	0.027%
Unicaja Banco S.A.	0.027%
Ascendis Pharma A/S Sponsored ADR	0.027%
Britvic plc	0.027%
Temenos AG	0.027%
SCSK Corporation	0.027%
Yaskawa Electric Corporation	0.027%
Centerra Gold Inc.	0.027%
Kinross Gold Corporation	0.026%
Banca Generali S.p.A.	0.026%
Gjensidige Forsikring ASA	0.026%
Peyto Exploration & Development Corp.	0.026%
SCREEN Holdings Co., Ltd	0.026%
Toyo Tire Corporation	0.026%
Odakyu Electric Railway Co., Ltd.	0.026%
Raiffeisen Bank International AG	0.026%
Topdanmark A/S	0.026%
CALBEE, Inc.	0.026%
United Laboratories International Holdings Ltd.	0.026%
Sundrug Co., Ltd.	0.026%
HKT Trust and HKT Ltd	0.026%
Unibail-Rodamco-Westfield SE Stapled Secs Cons of 1 Sh Unibail Rodamco + 1 Sh WFD	0.026%
ASMPT Limited	0.026%
Dexerials Corp.	0.026%
Adastria Co.,Ltd.	0.026%
Bosideng International Holdings Limited	0.026%
KONAMI Group Corporation	0.025%
Comfortdelgro Corporation Limited	0.025%
Kanematsu Corporation	0.025%
Dowa Holdings Co., Ltd.	0.025%

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Name	Weight
Japan Petroleum Exploration Co., Ltd.	0.025%
EXEO Group, Inc.	0.025%
Oriental Land Co., Ltd.	0.025%
Lifco AB Class B	0.025%
DCC Plc	0.025%
Genting Singapore Limited	0.025%
Sega Sammy Holdings Inc.	0.025%
Toyoda Gosei Co., Ltd.	0.025%
Magellan Financial Group Ltd	0.025%
Shikoku Electric Power Company, Incorporated	0.025%
Schaeffler AG	0.025%
Aecon Group Inc.	0.025%
Sodexo SA	0.025%
Telefonaktiebolaget LM Ericsson Class B	0.025%
Nissin Foods Holdings Co., Ltd.	0.025%
Hitachi Zosen Corporation	0.025%
Iren S.p.A.	0.025%
Tritax Big Box REIT PLC	0.024%
Sydbank A/S	0.024%
ASX Limited	0.024%
Wharf (Holdings) Ltd.	0.024%
Gerresheimer AG	0.024%
Ryoyo Ryosan Holdings, Inc.	0.024%
NOF Corporation	0.024%
Helvetia Holding Ltd	0.024%
Hongkong Land Holdings Limited	0.024%
Spirax Group plc.	0.024%
Electrolux AB Class B	0.024%
Bucher Industries AG	0.024%
Mediobanca - Banca di Credito Finanziario S.p.A.	0.024%
H2O Retailing Corporation	0.024%
Balfour Beatty plc	0.024%
Sohgo Security Services Co., Ltd.	0.024%
Vistry Group PLC	0.024%
Vitesco Technologies Group AG	0.024%
Sumitomo Osaka Cement Co., Ltd.	0.024%
CCL Industries Inc. Class B	0.024%
a2 Milk Company Limited	0.024%
DIC Corporation	0.023%
Superior Plus Corp	0.023%
Amplifon SpA	0.023%
ageas SA/NV	0.023%
Frasers Centrepoint Trust	0.023%
Halma plc	0.023%
Pacific Basin Shipping Limited	0.023%

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Name	Weight
Hokuhoku Financial Group, Inc.	0.023%
Pets At Home Group Plc	0.023%
SEB SA	0.023%
Region Group	0.023%
MatsukiyoCocokara & Co.	0.023%
AMP Limited	0.023%
Dassault Aviation SA	0.023%
Koito Manufacturing Co., Ltd.	0.023%
Cranswick plc	0.023%
Metso Corporation	0.023%
Azbil Corporation	0.023%
Dai-ichi Life Holdings, Inc.	0.023%
Bezeq The Israel Telecommunication Corp. Ltd.	0.023%
Virgin Money UK Plc	0.023%
Kyushu Railway Company	0.022%
Suedzucker AG	0.022%
Samsonite International S.A.	0.022%
Aurubis AG	0.022%
Ryohin Keikaku Co., Ltd.	0.022%
Redes Energeticas Nacionais SA	0.022%
Outokumpu Oyj	0.022%
Stroeer SE & Co. KGaA	0.022%
L'Occitane International S.A.	0.022%
Cogeco Communications Inc.	0.022%
GN Store Nord A/S	0.022%
ASSA ABLOY AB Class B	0.022%
Hargreaves Lansdown plc	0.022%
Nova Ltd.	0.022%
Demant A/S	0.022%
DS Smith Plc	0.022%
Premium Brands Holdings Corp	0.022%
Ebara Corporation	0.022%
Grainger plc	0.022%
Yakult Honsha Co., Ltd.	0.021%
Big Yellow Group PLC	0.021%
Oracle Corporation Japan	0.021%
Landis+Gyr Group AG	0.021%
JM AB	0.021%
RS Group PLC	0.021%
Downer EDI Limited	0.021%
Saizeriya Co., Ltd.	0.021%
Swire Properties Limited	0.021%
DNB Bank ASA	0.021%
Serco Group plc	0.021%
Rogers Communications Inc. Class B	0.021%

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Name	Weight
NIPPON GAS Co., Ltd.	0.021%
Schibsted Asa Class A	0.021%
FinecoBank SpA	0.021%
Allreal Holding AG	0.021%
Computacenter Plc	0.021%
EMS-CHEMIE HOLDING AG	0.021%
Grab Holdings Limited Class A	0.021%
United Urban Investment Corporation	0.021%
Trelleborg AB Class B	0.021%
JSR Corp.	0.021%
Kandenko Co., Ltd.	0.021%
Vermilion Energy Inc.	0.021%
TORM PLC Class A	0.021%
Kagome Co., Ltd.	0.021%
Shinko Electric Industries Co., Ltd.	0.021%
NIB Holdings Ltd	0.021%
Kintetsu Group Holdings Co., Ltd.	0.021%
Frasers Logistics & Commercial Trust	0.021%
TOHO GAS Co., Ltd.	0.020%
Incitec Pivot Limited	0.020%
thyssenkrupp AG	0.020%
CapitaLand Ascott Trust	0.020%
Seria Co., Ltd.	0.020%
Hanwa Co., Ltd.	0.020%
easyJet plc	0.020%
Nippon Sanso Holdings Corporation	0.020%
Huhtamaki Oyj	0.020%
Klepierre SA	0.020%
CK Infrastructure Holdings Limited	0.020%
Killam Apartment REIT	0.020%
Orica Limited	0.020%
TS Tech Co., Ltd.	0.020%
UNITE Group plc	0.020%
Open Text Corporation	0.020%
Warehouses De Pauw SA	0.020%
Hokuetsu Corporation	0.020%
Seibu Holdings, Inc.	0.020%
NCC AB Class B	0.020%
Interfor Corporation	0.020%
Lancashire Holdings Limited	0.020%
Nisshinbo Holdings Inc.	0.020%
Canadian Utilities Limited Class A	0.019%
Mycronic AB	0.019%
Sigma Healthcare Ltd	0.019%
Daiwa House REIT Investment Corporation	0.019%

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Name	Weight
Infrastrutture Wireless Italiane S.p.A.	0.019%
ORIX JREIT Inc.	0.019%
Sekisui House Reit. Inc.	0.019%
Cofinimmo SA	0.019%
MinebeaMitsumi Inc.	0.019%
Kojamo Oyj	0.019%
Northland Power Inc.	0.019%
Boyd Group Services Inc	0.019%
SES SA FDR (Class A)	0.019%
Nagoya Railroad Co., Ltd.	0.019%
RioCan Real Estate Investment Trust	0.019%
MEITEC Group Holdings Inc.	0.019%
SHO BOND Holdings Co., Ltd.	0.019%
CA Immobilien Anlagen AG	0.019%
SFS Group AG	0.019%
Frasers Group PLC	0.019%
John Wood Group PLC	0.019%
SBI Holdings, Inc.	0.019%
Icade SA	0.019%
Perpetual Limited	0.019%
Nankai Electric Railway Co., Ltd.	0.019%
DEUTZ AG	0.019%
Nitto Kogyo Corporation	0.019%
Dowlais Group PLC	0.019%
Nippon Paper Industries Co., Ltd.	0.019%
Ansell Limited	0.018%
Nagase & Co., Ltd.	0.018%
Asahi Intecc Co., Ltd.	0.018%
Ocado Group PLC	0.018%
Nokian Renkaat Oyj	0.018%
Seven Group Holdings Limited	0.018%
Graincorp Limited Class A	0.018%
Chartwell Retirement Residences	0.018%
Bilfinger SE	0.018%
LY Corporation	0.018%
Nippon Building Fund, Inc.	0.018%
Mapletree Logistics Trust	0.018%
Brembo N.V.	0.018%
Inghams Group Ltd.	0.018%
Tsumura & Co.	0.018%
Quilter Plc	0.018%
Daiwabo Holdings Co., Ltd.	0.018%
Glory Ltd.	0.018%
Deutsche Pfandbriefbank AG	0.018%
SKY Perfect JSAT Holdings Inc.	0.018%

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Name	Weight
Sopra Steria Group SA	0.018%
Signify NV	0.018%
Hays plc	0.018%
National Storage REIT	0.018%
Suruga Bank Ltd.	0.018%
Frontline Plc	0.018%
SBM Offshore NV	0.018%
Niterra Co.,Ltd.	0.018%
Spirent Communications plc	0.018%
Arkema SA	0.018%
Japan Real Estate Investment Corp.	0.018%
Stanley Electric Co., Ltd.	0.018%
Travis Perkins plc	0.017%
UOL Group Limited	0.017%
OPmobility	0.017%
Mizuno Corporation	0.017%
COSMOS Pharmaceutical Corporation	0.017%
ONO Pharmaceutical Co., Ltd.	0.017%
IGM Financial Inc.	0.017%
Keppel REIT	0.017%
Siltronic AG	0.017%
Banca IFIS S.p.A.	0.017%
Nomura Real Estate Master Fund, Inc.	0.017%
SPIE SA	0.017%
Champion Iron Ltd.	0.017%
Enerflex Ltd.	0.017%
Iluka Resources Limited	0.017%
TKH Group N.V. Cert	0.017%
KYB Corporation	0.017%
Toyo Construction Co., Ltd.	0.017%
NHK Spring Co., Ltd.	0.017%
IMCD N.V.	0.017%
Kaneka Corporation	0.017%
Sangetsu Corporation	0.017%
Hapag-Lloyd AG	0.017%
Global-e Online Ltd.	0.017%
Aica Kogyo Company, Limited	0.017%
Durr AG	0.017%
IMMOFINANZ AG	0.017%
Takasago Thermal Engineering Co., Ltd.	0.017%
Domino's Pizza Enterprises Limited	0.017%
UACJ Corp.	0.017%
Kemira Oyj	0.017%
HEXPOL AB Class B	0.017%
Nishimatsuya Chain Co., Ltd.	0.016%

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Name	Weight
Breville Group Limited	0.016%
Colliers International Group Inc.	0.016%
Parkland Corporation	0.016%
TP ICAP Group plc	0.016%
Maple Leaf Foods Inc.	0.016%
Ackermans & van Haaren NV	0.016%
OBIC Co., Ltd.	0.016%
Fujitec Co., Ltd.	0.016%
Stelco Holdings, Inc.	0.016%
Maruha Nichiro Corp.	0.016%
Bank of Queensland Limited	0.016%
Kumagai Gumi Co., Ltd.	0.016%
SEIKO GROUP CORPORATION	0.016%
NEC Networks & System Integration Corporation	0.016%
Hakuhodo Dy Holdings Incorporated	0.016%
Assura PLC	0.016%
Burberry Group plc	0.016%
Grand City Properties SA	0.016%
ASKUL Corporation	0.016%
Keppel DC REIT	0.016%
Chow Tai Fook Jewellery Group Limited	0.016%
Aker Solutions ASA	0.016%
Shimizu Corporation	0.016%
Dole Plc	0.016%
Scandic Hotels Group AB	0.016%
Kawasaki Kisen Kaisha, Ltd.	0.016%
Square Enix Holdings Co., Ltd.	0.016%
JVCKENWOOD Corporation	0.016%
Japan Metropolitan Fund Investment Corporation	0.016%
H.U.Group Holdings, Inc.	0.016%
Senshu Ikeda Holdings, Inc.	0.016%
Webuild SpA	0.016%
GLP J-REIT	0.016%
Mitsubishi Shokuhin Co., Ltd.	0.016%
JFrog Ltd.	0.016%
Aker BP ASA	0.015%
NTN Corporation	0.015%
Kobayashi Pharmaceutical Co., Ltd.	0.015%
Auckland International Airport Limited	0.015%
Reece Limited	0.015%
Toho Co. Ltd.	0.015%
Kaga Electronics Co., Ltd.	0.015%
Charter Hall Long WALE REIT	0.015%
New World Development Co. Ltd.	0.015%
Primary Health Properties PLC	0.015%

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Name	Weight
OKI Electric Industry Company, Limited	0.015%
North West Company Inc.	0.015%
DCM Holdings Co., Ltd.	0.015%
Bausch Health Companies Inc.	0.015%
NKT A/S	0.015%
TOKAI RIKI CO., LTD.	0.015%
Alm. Brand A/S	0.015%
Societe BIC SA	0.015%
House Foods Group Inc.	0.015%
Zenkoku Hosho Co., Ltd.	0.015%
OSG Corp	0.015%
Kuraray Co., Ltd.	0.015%
Tryg A/S	0.015%
Nishimatsu Construction Co., Ltd.	0.015%
Kobe Bussan Co., Ltd.	0.015%
Curaleaf Holdings, Inc.	0.015%
Elders Limited	0.015%
Kamigumi Co., Ltd.	0.015%
OVS SpA	0.015%
IHI Corporation	0.015%
MFE-MediaForEurope NV Class A	0.015%
Amano Corporation	0.015%
Resorttrust, Inc.	0.015%
Hino Motors,Ltd.	0.015%
Meridian Energy Limited	0.015%
SMC Corporation	0.015%
Boral Limited	0.014%
dormakaba Holding AG	0.014%
Mitsubishi HC Capital Inc.	0.014%
Sapporo Holdings Limited	0.014%
Ship Healthcare Holdings, Inc.	0.014%
Mercer International Inc.	0.014%
Burford Capital Limited	0.014%
KUSURI NO AOKI HOLDINGS CO.,LTD.	0.014%
Advance Residence Investment Corporation	0.014%
Marui Group Co., Ltd.	0.014%
Lion Corporation	0.014%
Telecom Plus PLC	0.014%
Rinnai Corporation	0.014%
ALSO Holding AG	0.014%
Atkinsrealis Group Inc.	0.014%
LIXIL Corporation	0.014%
Mony Group PLC	0.014%
Stolt-Nielsen Limited	0.014%
Man Wah Holdings Limited	0.014%



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



Index Constituents as of: 4/30/2024

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
ABC-MART, INC.	0.014%
Delek Group Ltd.	0.014%
Kyushu Financial Group, Inc.	0.014%
Wix.com Ltd.	0.014%
Emmi AG	0.014%
FirstGroup plc	0.014%
Hammerson plc	0.014%
Imerys SA	0.014%
CRISPR Therapeutics AG	0.014%
ALD SA	0.014%
Tricon Residential Inc	0.014%
Fuji Oil Holdings, Inc.	0.014%
Transcontinental Inc. Class A	0.014%
Bank of Georgia Group Plc	0.014%
Keyence Corporation	0.014%
Osisko Gold Royalties Ltd	0.014%
MERLIN Properties SOCIMI, S.A.	0.014%
AltaGas Ltd.	0.014%
Bechtle AG	0.013%
Castellum AB	0.013%
Stadler Rail AG	0.013%
Kyudenko Corporation	0.013%
RTL Group S.A.	0.013%
Tsubakimoto Chain Co.	0.013%
Crombie Real Estate Investment Trust	0.013%
IBIDEN CO., LTD.	0.013%
Ezaki Glico Co., Ltd.	0.013%
Kingboard Laminates Holdings Limited	0.013%
Nippon Prologis REIT, Inc.	0.013%
First International Bank of Israel Ltd	0.013%
Haseko Corporation	0.013%
Valiant Holding AG	0.013%
Sugi Holdings Co., Ltd.	0.013%
Fukuoka Financial Group, Inc.	0.013%
Baloise-Holding AG	0.013%
KDX Realty Investment Corporation	0.013%
Davide Campari-Milano N.V.	0.013%
Fletcher Building Limited	0.013%
EDION Corp	0.013%
EDP Renovaveis SA	0.013%
Dunelm Group plc	0.013%
Noritake Co., Limited	0.013%
Geberit AG	0.013%
VSTECS Holdings Limited	0.013%
CyberAgent, Inc.	0.013%

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



Index Constituents as of: 4/30/2024

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Name	Weight
Eagers Automotive Limited	0.013%
PCCW Limited	0.013%
Flight Centre Travel Group Limited	0.013%
NIPPON Corporation	0.013%
iA Financial Corporation Inc.	0.013%
Japan Prime Realty Investment Corporation	0.013%
Sims Ltd.	0.013%
GFL Environmental Inc	0.013%
Sonae SGPS SA	0.013%
Doutor Nichires Holdings Co., Ltd.	0.013%
Banca Monte dei Paschi di Siena S.p.A.	0.013%
Reliance Worldwide Corp. Ltd.	0.013%
NetLink NBN Trust	0.013%
PERSOL HOLDINGS CO. LTD.	0.013%
Eutelsat Communications SA	0.013%
HEIWADO CO., LTD.	0.013%
Paltac Corporation	0.012%
Ventia Services Group Limited	0.012%
PageGroup PLC	0.012%
Hulic Co., Ltd.	0.012%
ZIGUP PLC	0.012%
ROCKWOOL A/S Class B	0.012%
Nine Entertainment Co. Holdings Limited	0.012%
Keyera Corp.	0.012%
LondonMetric Property Plc	0.012%
Getinge AB Class B	0.012%
Japan Airlines Co., Ltd.	0.012%
Shizuoka Financial Group, Inc.	0.012%
Nissan Chemical Corporation	0.012%
Azrieli Group Ltd.	0.012%
Activia Properties, Inc.	0.012%
SAN-A CO., LTD.	0.012%
Yamato Kogyo Co., Ltd.	0.012%
Helia Group Limited	0.012%
Bollere SE	0.012%
IGO Limited	0.012%
artience Co.Ltd	0.012%
DiaSorin S.p.A.	0.012%
Gunma Bank, Ltd.	0.012%
H. Lundbeck A/S Class B	0.012%
Enghouse Systems Limited	0.012%
Nikon Corp.	0.012%
Eramet SA	0.012%
Centuria Industrial REIT	0.012%
Mullen Group Ltd.	0.012%

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



Index Constituents as of: 4/30/2024

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
Life Corporation	0.012%
Ain Holdings Inc.	0.012%
GEO Holdings Corporation	0.012%
Tokyu Fudosan Holdings Corp.	0.012%
Wallenius Wilhelmsen ASA	0.012%
Taikisha Ltd.	0.012%
Kohnan Shoji Co., Ltd.	0.012%
Gestamp Automocion S.A.	0.012%
Ebro Foods SA	0.012%
Nippon Light Metal Holdings Co., Ltd.	0.012%
Nexity SA Class A	0.012%
ANIMA Holding S.p.A.	0.012%
Yokohama Rubber Co., Ltd.	0.012%
Arjo AB Class B	0.012%
EBOS Group Limited	0.012%
ARCLANDS CORPORATION	0.012%
Criteo SA Sponsored ADR	0.012%
Nojima Co Ltd	0.012%
Mcmillan Shakespeare Limited	0.012%
TUI AG	0.012%
Chorus Limited	0.012%
Birchcliff Energy Ltd.	0.012%
Fuji Soft Incorporated	0.012%
Sotetsu Holdings, Inc.	0.011%
Sino Land Co. Ltd.	0.011%
Bendigo & Adelaide Bank Ltd.	0.011%
BWP Trust	0.011%
Swedish Orphan Biovitrum AB	0.011%
CES Energy Solutions Corp	0.011%
Chemtrade Logistics Income Fund	0.011%
Storebrand ASA	0.011%
Fastighets AB Balder Class B	0.011%
ARE Holdings, Inc.	0.011%
Xinyi Glass Holdings Limited	0.011%
Salzgitter AG	0.011%
Exedy Corporation	0.011%
Dream Industrial Real Estate Investment Trust	0.011%
Nippon Soda Co., Ltd.	0.011%
New Hope Corporation Limited	0.011%
G.U.D. Holdings Limited	0.011%
Brookfield Infrastructure Corp. (New York) Class A	0.011%
Mitsubishi Logistics Corporation	0.011%
North Pacific Bank, Ltd.	0.011%
IRESS Limited	0.011%
ENAV S.p.A.	0.011%

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



Index Constituents as of: 4/30/2024

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Name	Weight
TPG Telecom Limited	0.011%
Seven Bank, Ltd.	0.011%
Mirvac Group	0.011%
BRP, Inc.	0.011%
Just Group plc	0.011%
AEON REIT Investment Corp.	0.011%
Kaken Pharmaceutical Co., Ltd.	0.011%
KION GROUP AG	0.011%
CT Real Estate Investment Trust	0.011%
Yaoko Co., Ltd.	0.011%
Banca Mediolanum SpA	0.011%
Heiwa Corporation	0.011%
77 Bank, Ltd.	0.011%
MIRAIT ONE Corporation	0.011%
Iyogin Holdings, Inc.	0.011%
Shufersal Ltd Class B	0.011%
Richelieu Hardware Ltd	0.011%
Daetwyler Holding AG	0.011%
Mitsuboshi Belting Ltd.	0.011%
Daio Paper Corporation	0.011%
Hirogin Holdings, Inc.	0.011%
Central Glass Co., Ltd.	0.011%
Konecranes Oyj	0.011%
Cascades Inc.	0.011%
Vesuvius Plc	0.011%
Toyobo Co., Ltd.	0.011%
JEOL Ltd.	0.010%
Banco Comercial Portugues S.A.	0.010%
China Gas Holdings Limited	0.010%
Prada S.p.A.	0.010%
DTS Corporation	0.010%
Winpak Ltd.	0.010%
Sumitomo Bakelite Co., Ltd.	0.010%
NEXON Co., Ltd.	0.010%
Tosoh Corporation	0.010%
Waypoint REIT Ltd.	0.010%
Canadian Solar Inc.	0.010%
Senior plc	0.010%
Boardwalk Real Estate Investment Trust	0.010%
Ashmore Group plc	0.010%
Fielmann Group AG	0.010%
Crest Nicholson Holdings Plc	0.010%
Wienerberger AG	0.010%
Kerry Properties Limited	0.010%
Nisshin OilliO Group, Ltd.	0.010%

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Name	Weight
Credito Emiliano S.p.A.	0.010%
Aisan Industry Co., Ltd.	0.010%
Pilot Corporation	0.010%
TOMRA Systems ASA	0.010%
TV Asahi Holdings Corporation	0.010%
MEGMILK SNOW BRAND Co., Ltd.	0.010%
Alten SA	0.010%
Nippon Accommodations Fund Inc.	0.010%
Adeka Corp.	0.010%
Yellow Hat Ltd.	0.010%
Yamazaki Corporation	0.010%
Gungho Online Entertainment, Inc.	0.010%
Nordex SE	0.010%
Contact Energy Limited	0.010%
Coronado Global Resources Inc. Shs Chess Depository Interests Repr 10 Sh	0.010%
SENKO Group Holdings Co.Ltd.	0.010%
F.C.C.Co., Ltd.	0.010%
Fuyo General Lease Co., Ltd.	0.010%
Victrex plc	0.010%
Nissui Corporation	0.010%
Investec plc	0.010%
Meidensha Corporation	0.010%
Yamaguchi Financial Group, Inc.	0.010%
Kingboard Holdings Limited	0.010%
Protector Forsikring ASA	0.010%
Clas Ohlson AB Class B	0.010%
Raito Kogyo Co., Ltd.	0.010%
Harel Insurance Investments & Financial Services Ltd.	0.010%
Autobacs Seven Co., Ltd.	0.009%
Taiyo Holdings Co., Ltd.	0.009%
Genus plc	0.009%
Frontier Real Estate Investment Corporation	0.009%
NOS SGPS SA	0.009%
Athabasca Oil Corporation	0.009%
Prosegur Compania de Seguridad SA	0.009%
ITO EN,Ltd.	0.009%
DeNA Co., Ltd.	0.009%
Secure Energy Services Inc.	0.009%
Currys PLC	0.009%
Itoham Yonekyu Holdings, Inc.	0.009%
Acea S.p.A.	0.009%
Melexis NV	0.009%
SATS Ltd	0.009%
ESR-LOGOS REIT	0.009%
Casio Computer Co., Ltd.	0.009%

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Index Constituents as of: 4/30/2024

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Name	Weight
Sartorius AG Pref	0.009%
Maruichi Steel Tube Ltd.	0.009%
Tokyo Steel Manufacturing Co., Ltd.	0.009%
ARIAKE JAPAN Co., Ltd.	0.009%
Keio Corporation	0.009%
Latour AB Investment Class B	0.009%
ARB Corporation Limited	0.009%
Nichias Corporation	0.009%
KOMERI CO., LTD.	0.009%
Artis Real Estate Investment Trust	0.009%
Nichiha Corporation	0.009%
Europris ASA	0.009%
TechnoPro Holdings Inc.	0.009%
TBS HOLDINGS INC.	0.009%
Kissei Pharmaceutical Co., Ltd.	0.009%
VGP NV	0.009%
Net One Systems Co., Ltd.	0.009%
Computershare Limited	0.009%
Saipem S.p.A.	0.009%
JAFCO Group Co., Ltd.	0.009%
Japan Excellent, Inc.	0.009%
CapitaLand India Trust	0.009%
H&R Real Estate Investment Trust	0.009%
Navigator Company SA	0.009%
Hosiden Corp.	0.009%
Israel Corporation Ltd.	0.009%
Brother Industries, Ltd.	0.009%
Television Francaise 1 SA	0.009%
Renishaw plc	0.009%
Kulicke & Soffa Industries, Inc.	0.009%
Toa Corporation (Construction)	0.009%
Nitto Boseki Co., Ltd.	0.009%
Canadian Western Bank	0.009%
Westshore Terminals Investment Corporation	0.009%
Premier Investments Limited	0.009%
NFI Group Inc.	0.009%
ZOZO, Inc.	0.009%
Sartorius Stedim Biotech SA	0.009%
Arcs Company, Limited	0.009%
Paragon Banking Group PLC	0.009%
Inaba Denkisangyo Co., Ltd.	0.009%
NS Solutions Corp	0.008%
HK Electric Investments & HK Electric Investments Ltd.	0.008%
Hisamitsu Pharmaceutical Co., Inc.	0.008%
Nanto Bank Ltd.	0.008%

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Index Constituents as of: 4/30/2024

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Name	Weight
MPC Container Ships ASA	0.008%
Hera S.p.A.	0.008%
MARTINREA International Inc.	0.008%
INFRONEER Holdings Inc.	0.008%
NSD Co., Ltd.	0.008%
Credit Saison Co., Ltd.	0.008%
A2A S.p.A.	0.008%
Laurentian Bank of Canada	0.008%
Monadelphous Group Limited	0.008%
Schroders PLC	0.008%
Keihan Holdings Co.,Ltd.	0.008%
Mabuchi Motor Co., Ltd.	0.008%
Token Corporation	0.008%
Onward Holdings Co., Ltd.	0.008%
JDE Peet's NV	0.008%
Yue Yuen Industrial (Holdings) Limited	0.008%
Holmen AB Class B	0.008%
Krones AG	0.008%
Pacific Industrial Co., Ltd.	0.008%
International Petroleum Corp. (British Columbia)	0.008%
Tokyu Construction Co., Ltd.	0.008%
Allied Properties Real Estate Investment Trust	0.008%
First Quantum Minerals Ltd.	0.008%
Fuji Co., Ltd.	0.008%
Hulic Reit, Inc.	0.008%
Nippon Seiki Co., Ltd.	0.008%
EVN AG	0.008%
Kier Group plc	0.008%
Daiwa Office Investment Corporation	0.008%
United Super Markets Holdings, Inc.	0.008%
Mori Hills Reit Investment Corporation	0.008%
Qantas Airways Limited	0.008%
Maxell, Ltd.	0.008%
Strauss Group Ltd	0.008%
FUJI CORPORATION	0.008%
Mizuho Leasing Company, Limited	0.008%
EQB Inc	0.008%
Elia Group SA/NV	0.008%
Internet Initiative Japan Inc.	0.008%
Hunting PLC	0.008%
Create SD Holdings Co., Ltd.	0.008%
Bodycote plc	0.008%
Beach Energy Limited	0.008%
NRW Holdings Limited	0.008%
FLSmith & Co. A/S	0.008%

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Name	Weight
Kansai Paint Co., Ltd.	0.008%
Mercury NZ Ltd.	0.008%
CIE Automotive, S.A.	0.008%
Premier Foods plc	0.008%
Cargotec Oyj Class B	0.008%
Starts Corporation Inc.	0.008%
Duskin Co., Ltd.	0.008%
Almirall SA	0.008%
Halfords Group Plc	0.008%
Makita Corporation	0.008%
DyDo Group Holdings, Inc.	0.008%
Charter Hall Group	0.008%
Munters Group AB	0.008%
Perenti Limited	0.008%
Growthpoint Properties Australia	0.008%
Hyakujushi Bank, Ltd.	0.008%
Cathay Pacific Airways Limited	0.008%
Scandinavian Tobacco Group A/S	0.008%
Kokuyo Co., Ltd.	0.007%
Atrium Ljungberg AB Class B	0.007%
Titan Cement International N.V.	0.007%
Borregaard ASA	0.007%
Remy Cointreau SA	0.007%
Forbo Holding AG	0.007%
METAWATER Co.Ltd.	0.007%
Equinox Gold Corp.	0.007%
BIC Cameras Inc.	0.007%
Sanki Engineering Co., Ltd.	0.007%
1&1 AG	0.007%
Chugin Financial Group, Inc.	0.007%
Gunze Limited	0.007%
Great Portland Estates plc	0.007%
CapitaLand China Trust	0.007%
Metropole Television SA	0.007%
Citizen Watch Co, Ltd.	0.007%
Kanamoto Co., Ltd.	0.007%
Alstom SA	0.007%
Worley Limited	0.007%
Canaccord Genuity Group Inc.	0.007%
China Water Affairs Group Limited	0.007%
IDOM Inc.	0.007%
Bunka Shutter Co., Ltd.	0.007%
Sakata Seed Corporation	0.007%
ADBRI Limited	0.007%
Technip Energies NV	0.007%



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Name	Weight
Indra Sistemas, S.A. Class A	0.007%
Sulzer AG	0.007%
Sheng Siong Group Ltd.	0.007%
Shinmaywa Industries,Ltd.	0.007%
Japan Hotel Reit Investment Corporation	0.007%
Sanyo Special Steel Co., Ltd.	0.007%
METRO AG	0.007%
First Pacific Co. Ltd.	0.007%
Ontex Group N.V.	0.007%
Prima Meat Packers,Ltd.	0.007%
Telekom Austria AG	0.007%
Teekay Tankers Ltd. Class A	0.007%
Paz Oil Co. Ltd.	0.007%
Daihen Corporation	0.007%
Hysan Development Co., Ltd.	0.007%
Topre Corporation	0.007%
Pirelli & C. S.p.A.	0.007%
China Gold International Resources Corp. Ltd.	0.007%
CDL Hospitality Trusts	0.007%
Italgas SpA	0.007%
Nipro Corporation	0.007%
UNIQA Insurance Group AG	0.007%
Brickworks Ltd	0.007%
CHUDENKO CORPORATION	0.007%
Keiyo Bank, Ltd.	0.007%
Kura Sushi, Inc.	0.007%
Ushio Inc.	0.007%
Bilia AB Class A	0.007%
Trusco Nakayama Corporation	0.006%
Arata Corporation	0.006%
Airport City Ltd	0.006%
Essentra plc	0.006%
OBIC Business Consultants Co., Ltd.	0.006%
Hang Lung Properties Limited	0.006%
Hogy Medical Co., Ltd.	0.006%
Oil Refineries Ltd.	0.006%
San-in Godo Bank Ltd.	0.006%
Fukuda Denshi Co., Ltd.	0.006%
Leroy Seafood Group ASA	0.006%
Nolato AB Class B	0.006%
United Internet AG	0.006%
CTP N.V.	0.006%
Joyful Honda Co. Ltd.	0.006%
Industrial & Infrastructure Fund Investment Corporation	0.006%
Svitzer Group A/S	0.006%

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Name	Weight
Benesse Holdings, Inc.	0.006%
Veidekke ASA	0.006%
Kloeckner & Co SE	0.006%
Sekisui Jushi Corporation	0.006%
Welcia Holdings Co., Ltd.	0.006%
Daishi Hokuetsu Financial Group, Inc.	0.006%
FP Corporation	0.006%
Takara Holdings Inc.	0.006%
Sanken Electric Co., Ltd.	0.006%
Want Want China Holdings Limited	0.006%
RHI Magnesita NV	0.006%
J. FRONT RETAILING Co., Ltd.	0.006%
Paramount Bed Holdings Co., Ltd.	0.006%
Golden Agri-Resources Ltd	0.006%
Electrolux Professional AB Class B	0.006%
Valor Holdings Co., Ltd.	0.006%
ITOCHU ENEX CO., LTD.	0.006%
Izumi Co., Ltd.	0.006%
Skyworth Group Limited	0.006%
HORNBACH Holding AG & Co. KGaA	0.006%
AEON Delight Co., Ltd.	0.006%
DFI Retail Group Holdings Limited	0.006%
Mineral Resources Limited	0.006%
Morgan Advanced Materials plc	0.006%
Okeanis Eco Tankers Corp.	0.006%
Ryobi Limited	0.006%
Isracard Ltd.	0.006%
Kitz Corporation	0.006%
SoftwareOne Holding Ltd.	0.006%
Osterreichische Post AG	0.006%
Sanyo Denki Co., Ltd.	0.006%
Ituran Location and Control Ltd.	0.006%
Goldwin Inc.	0.006%
Elecom Co., Ltd.	0.006%
WACOAL HOLDINGS CORP	0.006%
OKAMURA CORP	0.006%
ADENTRA Inc	0.006%
Sakata Inx Corp.	0.006%
Dometic Group AB	0.006%
Yuasa Trading Co., Ltd.	0.006%
CECONOMY AG	0.006%
SAN-AI OBBLI CO. LTD	0.006%
Shiga Bank, Ltd.	0.006%
Barco NV	0.006%
Sun Art Retail Group Limited	0.006%

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Name	Weight
MACNICA HOLDINGS INC.	0.006%
Precision Drilling Corporation	0.006%
Ninety One Plc	0.006%
Vicat SA	0.006%
Modec, Inc.	0.006%
NIKKON Holdings Co., Ltd.	0.006%
Suntec Real Estate Investment Trust	0.006%
Fraport AG	0.006%
Totetsu Kogyo Co., Ltd.	0.006%
BML , Inc.	0.006%
Morgan Sindall Group plc	0.006%
Toshiba Tec Corp.	0.006%
Summerset Group Holdings Limited	0.006%
Toagosei Co., Ltd.	0.006%
Elekta AB Class B	0.006%
Keller Group plc	0.006%
Beijer Ref AB Class B	0.006%
Draegerwerk AG & Co. KGaA Pref	0.006%
Noevir Holdings Co., Ltd.	0.006%
Keppel Infrastructure Trust	0.006%
International Workplace Group PLC	0.006%
Tokai Holdings Corporation	0.006%
Relo Group, Inc.	0.006%
SpareBank 1 Nord-Norge	0.006%
Cementir Holding N.V.	0.006%
Deliveroo plc Class A	0.006%
NOMURA Co., Ltd.	0.006%
Wallenstam AB Class B	0.006%
BELC Co., Ltd.	0.006%
ISS A/S	0.005%
Earth Corporation	0.005%
Okumura Corporation	0.005%
Nittetsu Mining Co., Ltd.	0.005%
Daiichikosho Co., Ltd.	0.005%
Invincible Investment Corp.	0.005%
Compagnie de l'Odet SE	0.005%
Elecnor S.A.	0.005%
Ryman Healthcare Ltd.	0.005%
FIBI Holdings Ltd.	0.005%
Citycon Oyj	0.005%
Choice Properties Real Estate Investment Trust	0.005%
OPC Energy Ltd.	0.005%
Atea ASA	0.005%
Jupiter Fund Management plc	0.005%
Nakanishi Inc.	0.005%

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



Index Constituents as of: 4/30/2024

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
St.Galler Kantonalbank AG	0.005%
Restar Corporation	0.005%
VTech Holdings Limited	0.005%
First National Financial Corporation	0.005%
ESR Group Limited	0.005%
Juroku Financial Group,Inc.	0.005%
China Medical System Holdings Ltd.	0.005%
Hilan Ltd.	0.005%
Noritz Corporation	0.005%
Fluidra, S.A.	0.005%
Austevoll Seafood ASA	0.005%
Eagle Industry Co., Ltd.	0.005%
SBI Sumishin Net Bank Ltd	0.005%
JCDecaux SE	0.005%
Yodogawa Steel Works, Ltd.	0.005%
Rami Levi Chain Stores Hashikma Marketing 2006 Ltd	0.005%
TKC Corporation	0.005%
Spire Healthcare Group PLC	0.005%
Furukawa Co., Ltd.	0.005%
Nihon Parkerizing Co., Ltd.	0.005%
FOOD & LIFE COMPANIES LTD.	0.005%
Mitsui DM Sugar Holdings Co.Ltd	0.005%
Mivne Real Estate (K.D) Ltd.	0.005%
Okuma Corp.	0.005%
Zojirushi Corporation	0.005%
Sumitomo Warehouse Co., Ltd.	0.005%
Odfjell Drilling Ltd.	0.005%
Futaba Industrial Co., Ltd.	0.005%
Hyakugo Bank, Ltd.	0.005%
AMADA Co., Ltd.	0.005%
Nippon Shokubai Co., Ltd.	0.005%
GCL Technology Holdings Limited	0.005%
Gimv NV	0.005%
Pigeon Corporation	0.005%
Takuma Co., Ltd.	0.005%
ANDRITZ AG	0.005%
Mobico Group PLC	0.005%
Kakaku.com, Inc.	0.005%
Inmobiliaria Colonial SOCIMI SA	0.005%
G-Tekt Corporation	0.005%
bpost SA	0.005%
LaSalle LOGIPORT REIT	0.005%
Lindab International AB	0.005%
Maytronics Ltd.	0.005%
Sanyo Chemical Industries, Ltd.	0.005%

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Name	Weight
PIOLAX, Inc.	0.005%
Retail Estates NV	0.005%
Fanci Corporation	0.005%
Salvatore Ferragamo S.p.A.	0.005%
Hilton Food Group plc	0.005%
Paramount Resources Ltd. Class A	0.005%
OCI NV	0.005%
Konoike Transport Co., Ltd.	0.005%
Cimpress Plc	0.005%
Mandatum Oyj	0.005%
TOTO Ltd	0.005%
Energix-Renewable Energies Ltd.	0.005%
Topcon Corp.	0.005%
Y. H. Dimri Building & Development Ltd.	0.005%
Okinawa Cellular Telephone Company	0.005%
Sapiens International Corporation NV	0.005%
Austal Limited	0.005%
Shibaura Machine Co., Ltd.	0.005%
Sumitomo Densetsu Co., Ltd.	0.005%
INDUS Holding AG	0.005%
SITC International Holdings Co., Ltd.	0.005%
First Resources Ltd. (Singapore)	0.005%
SFL Corporation Limited	0.004%
Max Co., Ltd.	0.004%
Carmila SA	0.004%
Toei Animation Co., Ltd.	0.004%
MCJ Co., Ltd.	0.004%
Lintec Corporation	0.004%
FleetPartners Group Limited	0.004%
DWS Group GmbH & Co. KGaA	0.004%
Mitchells & Butlers plc	0.004%
Tokyo Century Corporation	0.004%
Stella International Holdings Limited	0.004%
Definity Financial Corp.	0.004%
Var Energi ASA	0.004%
Tokyo Kiraboshi Financial Group, Inc.	0.004%
Shurgard Self Storage Limited	0.004%
YAMAE GROUP HOLDINGS CO.,LTD.	0.004%
Bank of East Asia Ltd.	0.004%
United Energy Group Limited	0.004%
Fabege AB	0.004%
Yamaha Corporation	0.004%
Yurtec Corporation	0.004%
NWS Holdings Limited	0.004%
Canon Electronics Inc.	0.004%

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Name	Weight
TI Fluid Systems plc	0.004%
Boralex Inc. Class A	0.004%
Silver Lake Resources Limited	0.004%
Nyfosa AB	0.004%
EVT Limited	0.004%
Health and Happiness (H&H) International Holdings Limited	0.004%
Tessengerlo Group N.V.	0.004%
NagaCorp Ltd.	0.004%
VERBUND AG Class A	0.004%
Kato Sangyo Co., Ltd.	0.004%
Johnson Electric Holdings Limited	0.004%
Mapletree Pan Asia Commercial Trust	0.004%
Toda Corporation	0.004%
Workspace Group PLC	0.004%
Workman Co., Ltd.	0.004%
Wacker Neuson SE	0.004%
KYORIN Pharmaceutical Co.,Ltd.	0.004%
HomeCo Daily Needs REIT	0.004%
Showa Sangyo Co., Ltd.	0.004%
Bonheur ASA	0.004%
NCAB Group AB	0.004%
Hoegh Autoliners ASA	0.004%
TV Tokyo Holdings Corporation	0.004%
SJM Holdings Limited	0.004%
Japan Wool Textile Co., Ltd.	0.004%
Sparebanken Vest	0.004%
IGG, Inc.	0.004%
Kyoei Steel Ltd.	0.004%
Tyman Plc	0.004%
New Wave Group AB Class B	0.004%
Lee & Man Paper Manufacturing Limited	0.004%
Luk Fook Holdings (International) Limited	0.004%
EFG International AG	0.004%
Kyokuto Kaihatsu Kogyo Co., Ltd.	0.004%
One Software Technologies Ltd.	0.004%
Air France-KLM SA	0.004%
AcadeMedia AB	0.004%
REIT 1 Ltd	0.004%
Pasona Group Inc.	0.004%
Konishi Co., Ltd.	0.004%
Mattr Corp	0.004%
Canon Marketing Japan Inc.	0.004%
Fukuyama Transporting Co., Ltd.	0.004%
Sakai Moving Service Co., Ltd.	0.004%
Koei Tecmo Holdings Co., Ltd.	0.004%

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Name	Weight
Kurita Water Industries Ltd.	0.004%
Kornit Digital Ltd.	0.004%
Melisron Limited	0.004%
Nine Dragons Paper Holdings Ltd.	0.004%
Kerry Logistics Network Ltd.	0.004%
S Foods Inc.	0.004%
Danel (Adir Yeoshua) Ltd.	0.004%
Axial Retailing, Inc.	0.004%
Happinet Corporation	0.003%
M3, Inc.	0.003%
Galapagos NV	0.003%
G8 Education Limited	0.003%
Aeon Hokkaido Corporation	0.003%
G CITY LTD.	0.003%
Fortune Real Estate Investment Trust	0.003%
Riverstone Holdings Limited	0.003%
Collins Foods Limited	0.003%
HKBN Ltd.	0.003%
StarHub Ltd	0.003%
Takamatsu Construction Group Co., Ltd.	0.003%
T-Gaia Corporation	0.003%
Amot Investments Ltd.	0.003%
Maruzen Showa Unyu Co., Ltd.	0.003%
Sankyu Inc.	0.003%
Hutchison Port Holdings Trust	0.003%
Yokogawa Bridge Holdings Corp.	0.003%
Takara Standard Co., Ltd	0.003%
Awa Bank, Ltd.	0.003%
TIS Inc.	0.003%
Harmonic Drive Systems Inc.	0.003%
Petershill Partners PLC	0.003%
Sysmex Corporation	0.003%
Far East Hospitality Trust	0.003%
Towngas Smart Energy Company Limited	0.003%
MITSUI-SOKO HOLDINGS Co., Ltd.	0.003%
Raffles Medical Group Ltd	0.003%
MIXI Inc.	0.003%
Canfor Corporation	0.003%
Musashino Bank, Ltd.	0.003%
Lottery Corporation Limited	0.003%
Tachibana Eletech Co., Ltd.	0.003%
THG Plc	0.003%
Brookfield Reinsurance Ltd. Class A	0.003%
EIZO Corp.	0.003%
Cromwell European Real Estate Investment Trust	0.003%

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Name	Weight
Musashi Seimitsu Industry Co., Ltd.	0.003%
Seiren Co., Ltd.	0.003%
Africa Israel Residences Ltd	0.003%
NorthWest Healthcare Properties Real Estate Investment Trust	0.003%
Doshisha Co., Ltd.	0.003%
BayWa AG	0.003%
Ricoh Leasing Company,Ltd.	0.003%
Mitsubishi Pencil Company, Limited	0.003%
STRABAG SE	0.003%
RETAIL PARTNERS CO., LTD.	0.003%
Singapore Post Ltd.	0.003%
Air New Zealand Limited	0.003%
Olam Group Limited	0.003%
Fujitsu General Limited	0.003%
Fuji Seal International, Inc.	0.003%
Bausch + Lomb Corporation	0.003%
Towa Pharmaceutical Co., Ltd.	0.003%
UnipolSai Assicurazioni S.p.A.	0.002%
Delek Automotive Systems Ltd.	0.002%
SKYCITY Entertainment Group Limited	0.002%
Nitta Corporation	0.002%
Kokusai Electric Corporation	0.002%
AOYAMA TRADING Co., Ltd.	0.002%
HOSHIZAKI Corp.	0.002%
Canada Goose Holdings, Inc.	0.002%
Bando Chemical Industries Ltd.	0.002%
Electra Consumer Products Ltd.	0.002%
OUE Real Estate Investment Trust	0.002%
Japan Pulp and Paper Co. Ltd.	0.002%
Cial Insurance Enterprises Holdings Limited	0.002%
BIG Shopping Centers Ltd.	0.002%
Taihei Dengyo Kaisha, Ltd.	0.002%
Cognyte Software Ltd.	0.002%
Starhill Global Real Estate Investment Trust	0.002%
Taro Pharmaceutical Industries Ltd.	0.002%
Spin Master Corp	0.002%
Partner Communications Co. Ltd.	0.002%
Riso Kagaku Corporation	0.002%
Pola Orbis Holdings Inc.	0.002%
Phoenix Holdings Ltd.	0.002%
Nichiden Corporation	0.002%
Budweiser Brewing Co. APAC Ltd.	0.002%
Hong Kong Resources Holdings Co. Ltd.	0.000%



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