MAS KiwiSaver Scheme
Fund Holdings

For the quarter ended 30 June 2022

Signatory of:

PRI Principles for Responsible Investment

CERTIFIED RESPONSIBLE INVESTMENT®

CERTIFIED BY RIAA

Contents

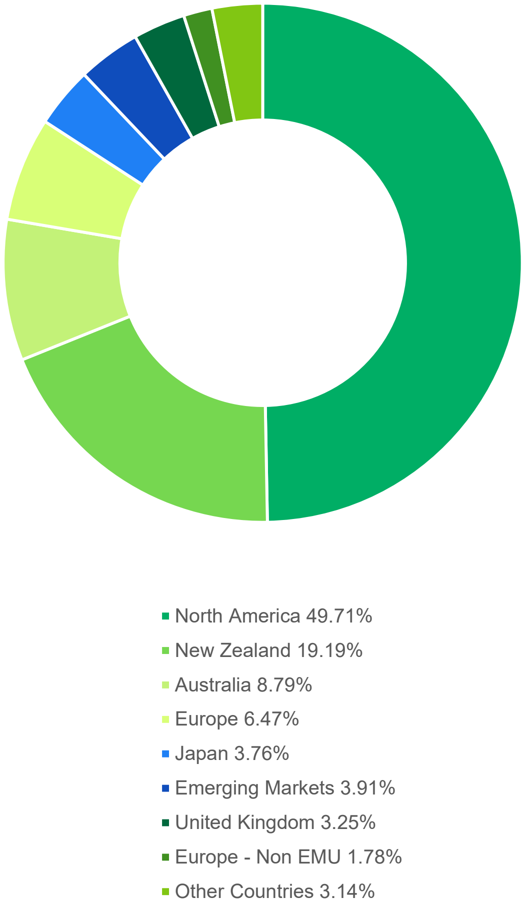
Global Equities Fund	3
Aggressive Fund	14
Growth Fund	25
Balanced Fund	35
Moderate Fund	44
Conservative Fund	52
Cash Fund	58

MAS KiwiSaver Scheme

Global Equities Fund Holdings
As at 30 June 2022

Asset Class & Holdings Region	% Portfolio
Cash and cash equivalents	
New Zealand	1.28%
Other	0.44%
Total	1.72%
Australasian equities	
New Zealand	20.62%
Australia	8.91%
Total	29.53%
International equities	
North America	49.40%
Europe	6.44%
Emerging Markets	3.86%
Japan	3.72%
United Kingdom	3.23%
Europe - Non EMU	1.76%
Australia	-0.06%
New Zealand	-3.34%
Other Countries	3.11%
Total	68.12%
Alternatives	
New Zealand	0.63%
Total	0.63%
Grand Total	**100%**

Regional Asset Class Allocation



Notes:

1. Fund holdings are current as at 30 June 2022. Future holdings may be different from those stated. Investments are managed in accordance with the MAS KiwiSaver Scheme's SIPO, available on the MAS website at **mas.co.nz/kiwisaver**
2. For holdings by region:
   a. 'Other countries' includes any other region not named.
   b. For Cash and cash equivalents, regions other than New Zealand have been grouped as 'Other'.
   c. EMU is the European Economic and Monetary Union.
   d. All holdings have been rounded to 2 decimal places, so the sum of holdings may not always total to 100.00%.
3. For full holdings:
   a. Holdings less than 0.01% have been grouped as 'Other'.
4. Creditors are shown as negative holdings, which may include any currency hedging positions in place for the Fund.
5. Medical Funds Management Limited is the issuer of the MAS KiwiSaver Scheme. The PDS for the MAS KiwiSaver Scheme is available on the MAS website at **mas.co.nz/kiwisaver**

Asset Class & Holdings	% of fund net assets
Cash and cash equivalents	
JBWere Premium Custody Call Account - NZD	1.63%
USD Cash	0.28%
Debtors	0.08%
JPY Cash	0.04%
HKD Cash	0.03%
AUD Cash	0.03%
TWD Cash	0.03%
GBP Cash	0.02%
CAD Cash	0.02%
EUR Cash	0.02%
MXN Cash	0.01%
NOK Cash	0.01%
CHF Cash	0.01%
DKK Cash	0.01%
KRW Cash	0.01%
Creditors	-0.50%
Total	1.72%
Australasian equities	
Infratil Ltd	3.26%
Fisher & Paykel Healthcare Ltd	2.24%
Meridian Energy Limited	1.90%
Mainfreight Ltd	1.84%
Ebos Group Ltd	1.46%
Spark New Zealand Ltd	1.38%
Auckland International Airport Ltd	1.31%
National Australia Bank Ltd	1.24%
Fletcher Building Ltd	1.24%
CSL Limited	1.01%
NEXTDC Ltd	0.99%
A2 Milk Company Ltd	0.99%
Macquarie Group Ltd	0.93%
Mercury NZ Limited	0.86%
Chorus Ltd	0.84%
Telstra Corp Ltd	0.75%
Coles Group Ltd	0.71%
Ramsay Health Care Ltd	0.69%
News Corp-CDI Class B	0.63%
Port of Tauranga Ltd	0.62%
Resmed Inc	0.62%
Summerset Group Holdings Ltd	0.58%
Freightways Ltd	0.52%
Block Inc - CDI	0.47%
Ryman Healthcare Ltd	0.47%
Oceania Healthcare Limited	0.46%
Xero Ltd	0.38%
Allkem Ltd	0.32%
Investore Property Limited	0.28%
Pushpay Holdings Ltd	0.22%
Wesfarmers Limited	0.17%
Stride Property Ltd and Stride Invest Mgmt Ltd	0.16%
Total	29.53%
International equities	
Microsoft Corp	4.39%
Alphabet Inc Class A	1.54%
Alphabet Inc Class C	1.46%
Tesla Inc	1.27%
Nvidia Corp	0.95%
Procter & Gamble	0.94%
Taiwan Semiconductor Manufacturing Co. Ltd	0.85%
Visa Inc Class A	0.80%
Thermo Fisher Scientific Inc	0.78%
Coca-Cola	0.71%
AbbVie Inc	0.70%
Eli Lilly	0.68%
Mastercard Inc Class A	0.67%
Pepsico Inc	0.64%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Home Depot Inc	0.62%
Tencent Holdings Ltd	0.61%
Adobe Inc	0.59%
Salesforce Inc	0.57%
Astrazeneca Plc	0.52%
Hsbc Holdings Plc	0.52%
Roche Holding Par AG	0.51%
Alibaba Group Holding Ltd	0.47%
Verizon Communications Inc	0.46%
Cisco Systems Inc	0.43%
Accenture Plc Class A	0.43%
ASML Holding NV	0.42%
Danaher Corp	0.42%
Novo Nordisk Class B	0.40%
Intel Corporation Corp	0.39%
Intuit Inc	0.38%
Walt Disney	0.37%
Servicenow Inc	0.37%
Amgen Inc	0.36%
Toyota Motor Corp	0.35%
Linde Plc	0.35%
Texas Instrument Inc	0.35%
International Business Machines Co	0.34%
Abbott Laboratories	0.32%
Unilever Plc	0.30%
S&P Global Inc	0.29%
United Parcel Service Inc Class B	0.29%
Elevance Health Inc	0.29%
Apple Inc	0.29%
Lowes Companies Inc	0.28%
Aia Group Ltd	0.28%
Nike Inc Class B	0.28%
Becton Dickinson	0.28%
Toronto Dominion	0.26%
American Tower Reit Corp	0.25%
Automatic Data Processing Inc	0.25%
Caterpillar Inc	0.24%
Sony Group Corp	0.22%
SAP	0.22%
Meituan	0.22%
Colgate-Palmolive	0.22%
Edwards Lifesciences Corp	0.22%
Morgan Stanley	0.22%
Amazon Com Inc	0.22%
Chubb Ltd	0.22%
Medtronic Plc	0.21%
Cigna Corp	0.21%
Zoetis Inc Class A	0.20%
BlackRock Inc	0.20%
Charles Schwab Corp	0.20%
Kimberly Clark Corp	0.20%
Applied Material Inc	0.20%
American Express	0.19%
Gilead Sciences Inc	0.19%
Deere	0.19%
Starbucks Corp	0.19%
Vertex Pharmaceuticals Inc	0.19%
Prologis REIT Inc	0.19%
Bnp Paribas SA	0.19%
Johnson & Johnson	0.18%
Loreal SA	0.18%
Sika AG	0.18%
Regeneron Pharmaceuticals Inc	0.17%
Allianz	0.17%
Target Corp	0.17%
Marsh & McLennan Inc	0.17%
Synopsys Inc	0.17%
Oracle Corp	0.16%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
CME Group Inc Class A	0.16%
Vinci Sa	0.16%
Crown Castle International Reit Co	0.16%
Booking Holdings Inc	0.15%
PNC Financial Services Group Inc	0.15%
Bank Of Nova Scotia	0.15%
Illinois Tool Inc	0.15%
Autodesk Inc	0.15%
Unitedhealth Group Inc	0.15%
CRH Plc	0.15%
Lair Liquide Societe Anonyme Pour	0.15%
Progressive Corp	0.15%
Lam Research Corp	0.15%
Sherwin Williams	0.15%
Cadence Design Systems Inc	0.15%
Truist Financial Corp	0.15%
TJX Inc	0.14%
Humana Inc	0.14%
Lloyds Banking Group Plc	0.14%
China Construction Bank Corp H	0.14%
Waste Management Inc	0.14%
Schneider Electric	0.14%
Relx Plc	0.14%
Vestas Wind Systems	0.14%
CSX Corp	0.14%
Reckitt Benckiser Group Plc	0.14%
Bank Of Montreal	0.13%
Baxter International Inc	0.13%
ING Groep NV	0.13%
Estee Lauder Inc Class	0.13%
Equinix Reit Inc	0.13%
Electronic Arts Inc	0.12%
Aon Plc Class A	0.12%
Centene Corp	0.12%
General Mills Inc	0.12%
Roper Technologies Inc	0.12%
Compagnie Financiere Richemont SA	0.12%
Prosus NV	0.12%
Idexx Laboratories Inc	0.12%
Ecolab Inc	0.12%
Norfolk Southern Corp	0.11%
Intercontinental Exchange Inc	0.11%
Dexcom Inc	0.11%
Meta Platforms Inc Class A	0.11%
Intesa Sanpaolo	0.11%
KDDI Corp	0.11%
Vodafone Group Plc	0.11%
Eaton Plc	0.11%
Banco Bilbao Vizcaya Argentaria SA	0.11%
Tokyo Electron Ltd	0.11%
Aflac Inc	0.11%
Enphase Energy Inc	0.11%
Nintendo Ltd	0.10%
Nordea Bank	0.10%
Newmont	0.10%
Daiichi Sankyo Ltd	0.10%
Iqvia Holdings Inc	0.10%
HCA Healthcare Inc	0.10%
Hitachi Ltd	0.10%
Axa SA	0.10%
Nxp Semiconductors Nv	0.10%
Compass Group Plc	0.10%
Moodys Corp	0.09%
Intuitive Surgical Inc	0.09%
Canadian Imperial Bank of Commerce	0.09%
ABB Ltd	0.09%
Geberit AG	0.09%
Nutrien Ltd	0.09%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Essilorluxottica SA	0.09%
Ansys Inc	0.09%
Church And Dwight Inc	0.09%
VMware Class A Inc	0.09%
Baidu Class A Inc	0.09%
Recruit Holdings Ltd	0.09%
Pfizer Inc	0.09%
Travelers Companies Inc	0.09%
Activision Blizzard Inc	0.09%
Agilent Technologies Inc	0.09%
Prudential Plc	0.09%
Motorola Solutions Inc	0.09%
Mccormick & Co Non-Voting Inc	0.09%
PPG Industries Inc	0.09%
DBS Group Holdings Ltd	0.09%
Daikin Industries Ltd	0.09%
Lonza Group AG	0.09%
Solaredge Technologies Inc	0.08%
T Rowe Price Group Inc	0.08%
HP Inc	0.08%
SK Hynix Inc	0.08%
West Pharmaceutical Services Inc	0.08%
Kering SA	0.08%
Netease Inc	0.08%
Fanuc Corp	0.08%
Boston Scientific Corp	0.08%
Nucor Corp	0.08%
Hormel Foods Corp	0.08%
WW Grainger Inc	0.08%
Prudential Financial Inc	0.08%
Stryker Corp	0.08%
Cvs Health Corp	0.08%
Steris	0.08%
Welltower Inc	0.08%
Clorox	0.08%
Bank Of New York Mellon Corp	0.08%
Danone SA	0.08%
Shopify Subordinate Voting Inc Class A	0.08%
M&T Bank Corp	0.08%
Biogen Inc	0.08%
Johnson Controls International Plc	0.08%
Amcor Plc	0.07%
Sba Communications Reit Corp	0.07%
Allstate Corp	0.07%
Arthur J Gallagher	0.07%
MediaTek Inc	0.07%
Genuine Parts	0.07%
China Merchants Bank Ltd	0.07%
Illumina Inc	0.07%
Lululemon Athletica Inc	0.07%
Holcim Ltd Ag	0.07%
Keurig Dr Pepper Inc	0.07%
Merck & Co Inc	0.07%
Palo Alto Networks Inc	0.07%
Byd Ltd	0.07%
Deutsche Boerse AG	0.07%
Hoya Corp	0.07%
Hilton Worldwide Holdings Inc	0.07%
Wuxi Biologics Cayman Inc	0.07%
Rockwell Automation Inc	0.07%
Givaudan SA	0.07%
Splunk Inc	0.07%
Waste Connections Inc	0.07%
Itochu Corp	0.07%
Mettler Toledo Inc	0.07%
SoftBank Corp	0.07%
AmerisourceBergen Corp	0.07%
International Flavors & Fragrances	0.07%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Compagnie De Saint Gobain Sa	0.07%
Cincinnati Financial Corp	0.07%
Dover Corp	0.07%
Qualcomm Inc	0.07%
Carrier Global Corp	0.07%
Daiwa House Industry Ltd	0.07%
Hologic Inc	0.07%
First Republic Bank	0.07%
Adidas N AG	0.07%
Murata Manufacturing Ltd	0.07%
Trane Technologies Plc	0.06%
Warner Bros. Discovery Inc	0.06%
Paccar Inc	0.06%
Otis Worldwide Corp	0.06%
Astellas Pharma Inc	0.06%
Cardinal Health Inc	0.06%
East Japan Railway	0.06%
Banco Santander Sa	0.06%
Keysight Technologies Inc	0.06%
Plug Power Inc	0.06%
Verisk Analytics Inc	0.06%
Take Two Interactive Software Inc	0.06%
Fast Retailing Ltd	0.06%
Assa Abloy B	0.06%
SVB Financial Group	0.06%
MercadoLibre Inc	0.06%
Societe Generale SA	0.06%
Republic Services Inc	0.06%
Advanced Micro Devices Inc	0.06%
Fastenal	0.06%
American Water Works Inc	0.06%
Fortive Corp	0.06%
VF Corp	0.06%
Broadcom Inc	0.06%
Ebay Inc	0.06%
Cummins Inc	0.06%
Ameriprise Finance Inc	0.06%
Koninklijke Ahold Delhaize NV	0.06%
Nibe Industrier Class B	0.06%
Sysco Corp	0.06%
Wolters Kluwer NV	0.06%
Bank Central Asia	0.06%
Insulet Corp	0.06%
Discover Financial Services	0.06%
KKR and Co Inc	0.06%
DNB Bank	0.06%
Laboratory Corporation Of America	0.06%
Fortinet Inc	0.06%
SSE Plc	0.05%
Aptiv Plc	0.05%
Northern Trust Corp	0.05%
Old Dominion Freight Line	0.05%
Essity Class B	0.05%
CBRE Group Inc Class A	0.05%
Citrix Systems Inc	0.05%
Ferguson Plc	0.05%
Atlas Copco Class A	0.05%
BMW AG	0.05%
Ross Stores Inc	0.05%
Umicore SA	0.05%
Orange SA	0.05%
Industria De Diseno Textil Inditex	0.05%
Swiss Re AG	0.05%
Fujitsu Ltd	0.05%
Barclays Plc	0.05%
Open Text Corp	0.05%
Bristol Myers Squibb	0.05%
Li Auto Adr Inc	0.05%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Archer Daniels Midland	0.05%
Weyerhaeuser REIT	0.05%
Koninkilijke Dsm NV	0.05%
Kellogg	0.05%
Crowdstrike Holdings Inc Class A	0.05%
Intact Financial Corp	0.05%
Naver Corp	0.05%
Samsung SDI Ltd	0.05%
Copart Inc	0.05%
D R Horton Inc	0.05%
Citizens Financial Group Inc	0.05%
Tractor Supply	0.05%
State Street Corp	0.05%
Ball Corp	0.05%
KBC Groep	0.05%
Hubspot Inc	0.05%
Assa Abloy AB	0.05%
United Overseas Bank Ltd	0.05%
Pentair	0.05%
Contemporary Amperex Technology Lt	0.05%
Kingspan Group Plc	0.05%
Regions Financial Corp	0.05%
Willis Towers Watson Plc	0.05%
Merck	0.05%
Yum China Holdings Inc	0.05%
Ashtead Group Plc	0.05%
Huntington Bancshares Inc	0.05%
Legal and General Group Plc	0.05%
Sampo	0.05%
Abiomed Inc	0.05%
Chocoladefabriken Lindt & Spruengli AG	0.05%
Franklin Resources Inc	0.05%
Hartford Financial Services Group	0.05%
Teleflex Inc	0.05%
Ericsson B	0.05%
National Bank Of Canada	0.05%
A O Smith Corp	0.05%
West Fraser Timber Ltd	0.05%
KeyCorp	0.05%
Terumo Corp	0.04%
Agnico Eagle Mines Ltd	0.04%
Wh Group Ltd	0.04%
Ulta Beauty Inc	0.04%
Nortonlifelock Inc	0.04%
China Mengniu Dairy Ltd	0.04%
Fujifilm Holdings Corp	0.04%
Ventas Reit Inc	0.04%
Gsk	0.04%
Perkinelmer Inc	0.04%
Genmab	0.04%
Eiffage SA	0.04%
Kao Corp	0.04%
Align Technology Inc	0.04%
Brown Forman Corp Class B	0.04%
Walgreen Boots Alliance Inc	0.04%
Komatsu Ltd	0.04%
Hewlett Packard Enterprise	0.04%
Xylem Inc	0.04%
A P Moller Maersk	0.04%
Compagnie Generale Des Etablisseme	0.04%
Orix Corp	0.04%
Horizon Therapeutics Public Plc	0.04%
Chugai Pharmaceutical Ltd	0.04%
Bouygues SA	0.04%
Cooper Inc	0.04%
Mckesson Corp	0.04%
Conagra Brands Inc	0.04%
Legrand SA	0.04%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Novartis Ag	0.04%
Diageo Plc	0.04%
Dai-Ichi Life Holdings Inc	0.04%
Water Corp	0.04%
Catalent Inc	0.04%
Panasonic Holdings Corp	0.04%
Nasdaq Inc	0.04%
Xinyi Solar Holdings Ltd	0.04%
BT Group Plc	0.04%
Ferrovial Sa	0.04%
Mosaic	0.04%
Kla Corp	0.04%
Quest Diagnostics Inc	0.04%
Workday Inc Class A	0.04%
Quanta Services Inc	0.04%
Molina Healthcare Inc	0.04%
Banco Bradesco Pref SA	0.04%
Martin Marietta Materials Inc	0.04%
Teleperformance	0.04%
Kakao Corp	0.04%
Link Real Estate Investment Trust	0.04%
Uni-President Enterprises Corp	0.04%
Sandvik	0.04%
Longi Green Energy Technology Ltd	0.04%
First Solar Inc	0.04%
Zimmer Biomet Holdings Inc	0.04%
United Rentals Inc	0.04%
Incyte Corp	0.04%
Thomson Reuters Corp	0.04%
Biomarin Pharmaceutical Inc	0.04%
Arch Capital Group Ltd	0.04%
Zebra Technologies Corp Class A	0.04%
Bunge Ltd	0.04%
Ingersoll Rand Inc	0.04%
Sonova Holding AG	0.04%
Shiseido Ltd	0.04%
Alnylam Pharmaceuticals Inc	0.04%
Raymond James Inc	0.04%
Wheaton Precious Metals Corp	0.04%
Dollarama Inc	0.04%
Datadog Inc Class A	0.04%
Veolia Environ. SA	0.04%
Albemarle Corp	0.04%
Magna International Inc	0.04%
Omron Corp	0.04%
United Micro Electronics Corp	0.04%
Mondelez International Inc Class A	0.04%
Principal Financial Group Inc	0.04%
Bio Techne Corp	0.04%
Transunion	0.04%
Waters Corp	0.03%
Segro REIT Plc	0.03%
Zoom Video Communications Inc Clas	0.03%
China Resources Land Ltd	0.03%
HeidelbergCement AG	0.03%
Lpl Financial Holdings Inc	0.03%
Rogers Communications Non-Voting I	0.03%
International Paper	0.03%
Mitsubishi Estate Co Ltd	0.03%
Air Products And Chemicals Inc	0.03%
Trimble Inc	0.03%
Chubu Electric Power Inc	0.03%
Mcdonalds Corp	0.03%
Unicharm Corp	0.03%
Kerry Group Plc	0.03%
Pearson Plc	0.03%
Expeditors International Of Washington Inc	0.03%
Expeditors International Of Washin	0.03%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Shionogi Ltd	0.03%
Ptc Inc	0.03%
WR Berkley Corp	0.03%
FactSet Research Systems Inc	0.03%
Synchrony Financial	0.03%
Standard Chartered Plc	0.03%
BYD Ltd A	0.03%
Pool Corp	0.03%
Fubon Financial Holding Ltd	0.03%
Healthpeak Properties Inc	0.03%
Xpeng Adr Representing Inc	0.03%
Symrise AG	0.03%
Realty Income Reit Corp	0.03%
Upm-Kymmene	0.03%
Cognex Corp	0.03%
Zendesk Inc	0.03%
SGS SA	0.03%
Kubota Corp	0.03%
Cintas Corp	0.03%
Chunghwa Telecom Ltd	0.03%
China Yangtze Power Ltd A	0.03%
CTBC Financial Holding Ltd	0.03%
Swiss Life Holding AG	0.03%
Sunrun Inc	0.03%
Power Corporation Of Canada	0.03%
KB Financial Group Inc	0.03%
Boston Properties Reit Inc	0.03%
WPP Plc	0.03%
Coloplast B	0.03%
Generac Holdings Inc	0.03%
Straumann Holding AG	0.03%
Dominos Pizza Inc	0.03%
Yaskawa Electric Corp	0.03%
Singapore Telecommunications Ltd	0.03%
3M	0.03%
Marubeni Corp	0.03%
Best Buy Inc	0.03%
Shinhan Financial Group Ltd	0.03%
EDP Renovaveis SA	0.03%
Grupo Finance Banorte	0.03%
Delta Electronics Inc	0.03%
Brown & Brown Inc	0.03%
CarMax Inc	0.03%
China Merchants Bank Ltd A	0.03%
Sompo Holdings Inc	0.03%
Glencore Plc	0.03%
Public Bank	0.03%
BOC Hong Kong Holdings Ltd	0.03%
Microchip Technology Inc	0.03%
TDK Corp	0.03%
Rentokil Initial Plc	0.03%
Booz Allen Hamilton Holding Corp C	0.03%
Ping An Insurance (Group) Of China	0.03%
Telekomunikasi Indonesia	0.03%
Jb Hunt Transport Services	0.03%
Novozymes B	0.03%
Kuehne und Nagel International AG	0.03%
Bank Leumi Le Israel	0.03%
Campbell Soup	0.03%
Atlas Copco Class B	0.03%
Hang Seng Bank Ltd	0.03%
NN Group NV	0.03%
E.Sun Financial Holding Ltd	0.03%
MS&AD Insurance Group Holdings Inc	0.03%
Unicredit	0.03%
Cathay Financial Holding Ltd	0.03%
Idex Corp	0.03%
Howmet Aerospace Inc	0.03%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
LKQ Corp	0.03%
Akzo Nobel NV	0.03%
Jazz Pharmaceuticals Plc	0.03%
Federal Realty Investment Trust Re	0.03%
Henry Schein Inc	0.03%
Nan Ya Plastics Corp	0.03%
Trade Desk Inc Class A	0.03%
United Utilities Group Plc	0.03%
Contemporary Amperex Technology Ltd	0.03%
China Overseas Land Investment Ltd	0.03%
Alleghany Corp	0.03%
CH Robinson Worldwide Inc	0.03%
Bunzl	0.03%
Fomento Economico Mexicano	0.03%
Croda International Plc	0.03%
Rio Tinto Plc	0.03%
Informa Plc	0.03%
Walmart Inc	0.03%
Mega Financial Holding Ltd	0.03%
Steel Dynamics Inc	0.03%
Celanese Corp	0.03%
Verbund AG	0.03%
WSP Global Inc	0.03%
Commerzbank AG	0.03%
Eisai Ltd	0.03%
AEON Ltd	0.03%
Essex Property Trust Reit Inc	0.03%
Cboe Global Markets Inc	0.03%
Nomura Holdings Inc	0.03%
Hasbro Inc	0.03%
Stanley Black & Decker Inc	0.03%
Svenska Cellulosa B	0.03%
MTR Corporation Corp Ltd	0.03%
Snap Inc Class A	0.03%
Webster Financial Corp	0.03%
Metro Inc	0.03%
Nippon Yusen	0.03%
Terna Rete Elettrica Nazionale	0.03%
Mowi	0.03%
Natwest Group Plc	0.03%
Henkel & KGaA Pref AG	0.02%
CNH Industrial NV	0.02%
Masco Corp	0.02%
Interpublic Group Of Companies Inc	0.02%
Novocure Ltd	0.02%
Coca Cola European Partners Plc	0.02%
Telus Corp	0.02%
Westrock	0.02%
Paypal Holdings Inc	0.02%
China Steel Corp	0.02%
Nippon Steel Corp	0.02%
Ally Financial Inc	0.02%
Spirax-Sarco Engineering Plc	0.02%
Deutsche Bank Ag	0.02%
Next Plc	0.02%
Brenntag SE	0.02%
Advance Auto Parts Inc	0.02%
Netflix Inc	0.02%
Assurant Inc	0.02%
Intercontinental Hotels Group Plc	0.02%
First Financial Holding Ltd	0.02%
Pultegroup Inc	0.02%
Analog Devices Inc	0.02%
CP All Non-Voting Dr Pcl	0.02%
Nitto Denko Corp	0.02%
Publicis Groupe SA	0.02%
Smurfit Kappa Group Plc	0.02%
Intertek Group Plc	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Daifuku Ltd	0.02%
Mtu Aero Engines Holding Ag	0.02%
Daqo New Energy Adr Representing	0.02%
Sysmex Corp	0.02%
Ajinomoto Inc	0.02%
Koninklijke KPN NV	0.02%
Skandinaviska Enskilda Banken	0.02%
Siemens Gamesa Renewable Energy Sa	0.02%
Sekisui House Ltd	0.02%
Wuliangye Yibin Ltd A	0.02%
Snap On Inc	0.02%
Teradyne Inc	0.02%
Severn Trent Plc	0.02%
Epiroc Class A	0.02%
Carrefour SA	0.02%
Telia Company	0.02%
Saputo Inc	0.02%
Hanwha Solutions Corp	0.02%
Zoominfo Technologies Inc	0.02%
Acciona Sa	0.02%
Rohm Ltd	0.02%
Guidewire Software Inc	0.02%
Siam Cement Non-Voting Dr Pcl	0.02%
Corteva Inc	0.02%
Palantir Technologies Inc Class A	0.02%
CSPC Pharmaceutical Group Ltd	0.02%
Novo Nordisk Class B	0.02%
Cameco Corp	0.02%
Hana Financial Group Inc	0.02%
Burberry Group Plc	0.02%
Mondi Plc	0.02%
Allegion Plc	0.02%
WEG SA	0.02%
Snowflake Class A	0.02%
Sumitomo Mitsui Trust Holdings Inc	0.02%
Lumen Technologies Inc	0.02%
Dassault Systemes	0.02%
Ametek Inc	0.02%
Caixabank Sa	0.02%
Longfor Group Holdings Ltd	0.02%
Hennes & Mauritz	0.02%
St James Place Plc	0.02%
Tyler Technologies Inc	0.02%
Boliden	0.02%
West Japan Railway	0.02%
CapitaLand Integrated Commercial Trust	0.02%
BorgWarner Inc	0.02%
Paycom Software Inc	0.02%
Country Garden Services Holdings Co. Ltd	0.02%
Malayan Banking	0.02%
Monster Beverage Corp	0.02%
Constellation Brands Inc Class A	0.02%
Worldline Sa	0.02%
Chailease Holding Ltd	0.02%
Asahi Kasei Corp	0.02%
Cdk Global Inc	0.02%
Fortune Brands Home And Security Inc	0.02%
Annaly Capital Management Reit Inc	0.02%
Resona Holdings Inc	0.02%
Powszechna Kasa Oszczednosci Bank	0.02%
Sumitomo Metal Mining Ltd	0.02%
MarketAxess Holdings Inc	0.02%
George Weston Ltd	0.02%
Gea Group Ag	0.02%
Berkeley Group Holdings (The) Plc	0.02%
Ss And C Technologies Holdings Inc	0.02%
Chr Hansen Holding	0.02%
Taiwan Cooperative Financial Holdings	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Keyence Corp	0.02%
Bangkok Dusit Medical Services	0.02%
Norsk Hydro	0.02%
Persimmon Plc	0.02%
Skanska B	0.02%
Dentsply Sirona Inc	0.02%
Nomura Research Institute Ltd	0.02%
Hydro One Ltd	0.02%
Bio Rad Laboratories Inc Class A	0.02%
Anglo American Plc	0.02%
Micron Technology Inc	0.02%
Z Holdings Corp	0.02%
Beiersdorf AG	0.02%
Telenor	0.02%
Associated British Foods Plc	0.02%
Vail Resorts Inc	0.02%
Hershey Foods	0.02%
Burlington Stores Inc	0.02%
Credicorp Ltd	0.02%
Hexagon Class B	0.02%
Robert Half	0.02%
Sumitomo Realty & Development Ltd	0.02%
Neurocrine Biosciences Inc	0.02%
Lincoln National Corp	0.02%
Elisa	0.02%
Zscaler Inc	0.02%
Wuxi Apptec Ltd A	0.02%
Bureau Veritas SA	0.02%
Shimadzu Corp	0.02%
NTT Data Corp	0.02%
Digital Realty Trust Reit Inc	0.02%
Toray Industries Inc	0.02%
Acs Actividades De Construccion Y	0.02%
Svenska Handelsbanken-A Shs	0.02%
Airports Of Thailand Non-Voting Dr	0.02%
Elanco Animal Health Inc	0.02%
Stora Enso Class R	0.02%
Toto Ltd	0.02%
Newell Brands Inc	0.02%
Evergreen Marine Corp (Taiwan) Ltd	0.02%
Toyota Industries Corp	0.02%
Vivendi	0.02%
Rollins Inc	0.02%
Garmin Ltd	0.02%
Postal Savings Bank Of China Ltd A	0.02%
Credit Agricole Sa	0.02%
Fidelity National Information Serv	0.02%
Docusign Inc	0.02%
Lear Corp	0.02%
Western Union	0.02%
Red Electrica SA	0.02%
Brookfield Renewable Subordinate V	0.02%
Industrial Bank Ltd A	0.02%
Owens Corning	0.02%
Land Securities Group Reit Plc	0.02%
Leg Immobilien N	0.02%
Mitsubishi Chemical Group Corp	0.02%
Cable One Inc	0.02%
Sage Group Plc	0.02%
Knight-Swift Transportation Holdin	0.02%
Imcd Nv	0.02%
Kingfisher Plc	0.02%
Fiserv Inc	0.02%
China Vanke Ltd A	0.02%
Toromont Industries Ltd	0.02%
Taiwan Mobile Ltd	0.02%
Sungrow Power Supply Ltd A	0.02%
Yokogawa Electric Corp	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
East Money Information Ltd A	0.02%
Lennox International Inc	0.02%
Swedbank	0.02%
Bill Com Holdings Inc	0.02%
Aspen Technology Inc	0.02%
Taiwan Cement Corp	0.02%
Prysmian	0.02%
Nippon Building Fund Reit Inc	0.02%
Tfi International Inc	0.02%
Alfa Laval	0.02%
Sensata Technologies Holding Plc	0.01%
Fair Isaac Corp	0.01%
Canadian Tire Ltd Class	0.01%
Puma	0.01%
Moderna Inc	0.01%
Asustek Computer Inc	0.01%
Shanghai Commercial Ltd	0.01%
Kesko Class B	0.01%
Voya Financial Inc	0.01%
Ritchie Bros Auctioneers Inc	0.01%
Antofagasta Plc	0.01%
Barratt Developments	0.01%
First Interstate Bancsystem Inc Cl	0.01%
Alstom Sa	0.01%
First Bancorp	0.01%
Advantest Corp	0.01%
Klepierre REIT SA	0.01%
Yakult Honsha Ltd	0.01%
Kikkoman Corp	0.01%
Unibail-Rodamco-Westfield Stapled Units	0.01%
Black Knight Inc	0.01%
Azbil Corp	0.01%
Hankyu Hanshin Holdings Inc	0.01%
London Stock Exchange Group Plc	0.01%
First Horizon Corp	0.01%
Solvay SA	0.01%
Popular Inc	0.01%
Carlyle Group Inc	0.01%
Tyson Foods Inc Class A	0.01%
Whitbread Plc	0.01%
Nidec Corp	0.01%
Vifor N . Linie Ag	0.01%
Exact Sciences Corp	0.01%
LG Electronics Inc	0.01%
Bloom Energy Class A Corp	0.01%
Renesas Electronics Corp	0.01%
CIMB Group Holdings	0.01%
Lenovo Group Ltd	0.01%
HKT Trust & HKT Ltd	0.01%
Kraft Heinz	0.01%
Umb Financial Corp	0.01%
Japan Real Estate Investment Trust	0.01%
Nissin Foods Holdings Ltd	0.01%
Yunnan Energy New Materials Ltd A	0.01%
Nippon Paint Holdings Ltd	0.01%
Sumitomo Chemical Ltd	0.01%
Citic Ltd	0.01%
Hotai Motor Ltd	0.01%
Tcl Zhonghuan Renewable Energy Tec	0.01%
Ormat Tech Inc	0.01%
Randstad Holding	0.01%
Pandora	0.01%
Prosperity Bancshares Inc	0.01%
Delivery Hero	0.01%
Sinopac Financial Holdings Ltd	0.01%
Elastic Nv	0.01%
Advanced Info Service Non-Voting D	0.01%
Nio American Depositary Shares Rep	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Essent Group Ltd	0.01%
Signify Nv	0.01%
Elia Group SA	0.01%
SKF B	0.01%
Zhejiang Huayou Cobalt Ltd A	0.01%
LG Corp	0.01%
Danske Bank	0.01%
United Bankshares Inc	0.01%
Ocado Group Plc	0.01%
Capitaland Investment Ltd	0.01%
Central Japan Railway	0.01%
Xiaomi Corp	0.01%
Adecco Group AG	0.01%
Esr Group Ltd	0.01%
Suntory Beverage & Food Ltd	0.01%
Yadea Group Holdings Ltd	0.01%
Nippon Prologis Reit Inc	0.01%
Henkel AG	0.01%
Meiji Holdings Ltd	0.01%
Commerce Bancshares Inc	0.01%
Zalando	0.01%
First Citizens Bancshares Inc Clas	0.01%
Ganfeng Lithium Ltd A	0.01%
Hellofresh	0.01%
Eqt	0.01%
President Chain Store Corp	0.01%
Mgic Investment Corp	0.01%
Temenos Ag	0.01%
Cemex CPO	0.01%
Orkla	0.01%
Southstate Corp	0.01%
Yamaha Corp	0.01%
Tokyu Corp	0.01%
China Tourism Group Duty Free Corp	0.01%
Inner Mongolia Yili Industrial Gro	0.01%
China Everbright Environment Group	0.01%
Bank Pekao SA	0.01%
Gildan Activewear Inc	0.01%
Taisei Corp	0.01%
Us Bancorp	0.01%
Grupo Bimbo A	0.01%
Jpmorgan Chase & Co	0.01%
Wintrust Financial Corp	0.01%
Sun Hung Kai Properties Ltd	0.01%
Equitable Holdings Inc	0.01%
Lattice Semiconductor Corp	0.01%
Lixil Corp	0.01%
Hancock Whitney Corp	0.01%
Bank Ozk	0.01%
Taishin Financial Holding Ltd	0.01%
Glacier Bancorp Inc	0.01%
China Vanke Ltd H	0.01%
Teradata Corp	0.01%
Columbia Banking System Inc	0.01%
Tele2 B	0.01%
Citic Securities Ltd A	0.01%
Carl Zeiss Meditec AG	0.01%
Kingdee Intl. Software Group Ltd	0.01%
Flagstar Bancorp Inc	0.01%
Fnb Corp	0.01%
Ameris Bancorp	0.01%
Silicon Laboratories Inc	0.01%
Texas Capital Bancshares Inc	0.01%
Bankunited Inc	0.01%
Citigroup Inc	0.01%
Western Alliance	0.01%
Taylor Wimpey Plc	0.01%
Old National Bancorp	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
East West Bancorp Inc	0.01%
First Financial Bankshares Inc	0.01%
Lg H & H Ltd	0.01%
Cullen Frost Bankers Inc	0.01%
FirstService Subordinate Voting Co	0.01%
Abrdn Plc	0.01%
Singapore Airlines Ltd	0.01%
Radian Group Inc	0.01%
Gerdau Pref Sa	0.01%
Belimo N Ag	0.01%
Localiza Rent A Car SA	0.01%
Erste Group Bank Ag	0.01%
Kurita Water Industries Ltd	0.01%
Orion Class B	0.01%
Amphenol Corp Class A	0.01%
Comerica Inc	0.01%
Hmm Ltd	0.01%
Kinross Gold Corp	0.01%
Airtac International Group	0.01%
Davita Inc	0.01%
Yang Ming Marine Transport Corp	0.01%
Invesco Ltd	0.01%
New York Community Bancorp Inc	0.01%
Kintetsu Group Holdings Ltd	0.01%
Jeronimo Martins SA	0.01%
Dynatrace Inc	0.01%
JFE Holdings Inc	0.01%
Eve Energy Ltd A	0.01%
Far Eastone Telecommunications Ltd	0.01%
Odakyu Electric Railway Ltd	0.01%
Lincoln Electric Holdings Inc	0.01%
Empire Ltd Class A	0.01%
Sino Land Ltd	0.01%
Want Want China Holdings	0.01%
Umpqua Holdings Corp	0.01%
Voltronic Power Technology Corp	0.01%
Yamaha Motor Ltd	0.01%
Experian Plc	0.01%
Woori Financial Group Inc	0.01%
Te Connectivity Ltd	0.01%
Marvell Technology Inc	0.01%
Manhattan Associates Inc	0.01%
Zions Bancorporation	0.01%
Sekisui Chemical Ltd	0.01%
Paychex Inc	0.01%
OTP Bank	0.01%
Pennymac Financial Services Inc	0.01%
Shopify Subordinate Voting Inc Cla	0.01%
Tesco Plc	0.01%
Lundin Mining Corp	0.01%
Associated Bancorp	0.01%
Dai Nippon Printing Ltd	0.01%
Minebea Mitsumi Inc	0.01%
Wuxi Apptec Ltd H	0.01%
Schroders Plc	0.01%
Cvb Financial Corp	0.01%
Mr Cooper Group Inc	0.01%
Masimo Corp	0.01%
Jiangsu Hengrui Medicine Ltd A	0.01%
Bank Of America Corp	0.01%
Yageo Corp	0.01%
Valley National	0.01%
Fulton Financial Corp	0.01%
Apollo Global Management Inc	0.01%
Banco Do Brasil SA	0.01%
Gecina SA	0.01%
Hirose Electric Ltd	0.01%
Cognizant Technology Solutions Cor	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
United Community Banks Inc	0.01%
Bruker Corp	0.01%
Fifth Third Bancorp	0.01%
Pinnacle Financial Partners Inc	0.01%
Capcom Ltd	0.01%
Luxshare Precision Industry Ltd A	0.01%
Vonovia Se	0.01%
Synovus Financial Corp	0.01%
Rocket Companies Inc Class A	0.01%
Singapore Exchange Ltd	0.01%
Spie Sa	0.01%
Industrial And Commercial Bank Of	0.01%
Ncsoft Corp	0.01%
Ricoh Ltd	0.01%
Shenzhen Inovance Technology Ltd A	0.01%
Teladoc Health Inc	0.01%
Bentley Systems Inc Class B	0.01%
Vipshop Holdings Sponsored Ads Rep	0.01%
Wens Foodstuff Group Ltd	0.01%
Envista Holdings Corp	0.01%
Guangzhou R&F Properties Ltd H	0.01%
Tobu Railway Ltd	0.01%
Paylocity Holding Corp	0.01%
Shoals Technologies Group Inc Clas	0.01%
Valeo	0.01%
Hapvida Participacoes E Investimen	0.01%
Nexi	0.01%
Shanghai Fosun Pharmaceutical (Group) Co. Ltd	0.01%
Auo Corp	0.01%
Luzhou Lao Jiao Ltd A	0.01%
China Feihe Ltd	0.01%
Rivian Automotive Inc Class	0.01%
Banco Bradesco Sa	0.01%
British Land Reit Plc	0.01%
Press Metal Aluminium Holdings	0.01%
Clariant AG	0.01%
Evonik Industries Ag	0.01%
Sunnova Energy International Inc	0.01%
Sainsbury (J) Plc	0.01%
City Developments Ltd	0.01%
Home Bancshares Inc	0.01%
Unilever Indonesia	0.01%
Dropbox Inc Class A	0.01%
Ja Solar Technology Ltd A	0.01%
Global Payments Inc	0.01%
Finecobank Banca Fineco	0.01%
Shockwave Medical Inc	0.01%
Five9 Inc	0.01%
Amerco	0.01%
Equatorial Energia SA	0.01%
Rumo SA	0.01%
Shenzhen Mindray Bio-Medical Elect	0.01%
Shimao Group Holdings Ltd	0.01%
GN Store Nord	0.01%
JDE Peets Nv	0.01%
SG Holdings Ltd	0.01%
Beijing Enterprises Water Group Lt	0.01%
Bok Financial Corp	0.01%
Ceridian Hcm Holding Inc	0.01%
Rockwool International B	0.01%
Twitter Inc	0.01%
Baoshan Iron & Steel Ltd A	0.01%
Sirius Xm Holdings Inc	0.01%
Obayashi Corp	0.01%
Raia Drogasil Sa	0.01%
Bank Of Ningbo Ltd A	0.01%
Salmar	0.01%
Nippon Express Holdings Inc	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Ping An Bank Ltd A	0.01%
Nomura Real Estate Holdings Inc	0.01%
Bank Of Hawaii Corp	0.01%
Arca Continental	0.01%
Block Inc Class A	0.01%
Amplifon	0.01%
Samsung Life Ltd	0.01%
Swire Properties Ltd	0.01%
Kajima Corp	0.01%
Ganfeng Lithium Ltd H	0.01%
Electrolux Class B	0.01%
Walker & Dunlop Inc	0.01%
First Hawaiian Inc	0.01%
Biomerieux SA	0.01%
Solaria Energia Y Medio Ambiente S	0.01%
BMW Pref AG	0.01%
Gree Electric Appliances Inc Of Zh	0.01%
Bank Of Communications Ltd A	0.01%
Lojas Renner SA	0.01%
Eastern Bankshares Inc	0.01%
Avalara Inc	0.01%
Unity Software Inc	0.01%
Kghm Polska Miedz Sa	0.01%
Covivio SA	0.01%
Sprout Social Inc Class A	0.01%
Grupo Televisa	0.01%
Wartsila	0.01%
Accor SA	0.01%
Coca Cola HBC AG	0.01%
Shanxi Xinghuacun Fen Wine Factory	0.01%
Arcadis Nv	0.01%
China Conch Venture Holdings Ltd	0.01%
Cyber Agent Inc	0.01%
Sailpoint Technologies Holdings In	0.01%
Signature Bank	0.01%
Wanhua Chemical Group Ltd A	0.01%
Pacific Premier Bancorp Inc	0.01%
Sunpower Corp	0.01%
Dieteren (D) Sa	0.01%
Clarivate Plc	0.01%
Pacwest Bancorp	0.01%
Altair Engineering Inc Class A	0.01%
Telefonica Brasil SA	0.01%
Cathay General Bancorp	0.01%
Merdeka Copper Gold	0.01%
Metso Outotec Corp	0.01%
Novanta Inc	0.01%
Genscript Biotech Corp	0.01%
Kimberly-Clark De Mexico Class A	0.01%
Array Technologies Inc	0.01%
Jm Smucker	0.01%
Mitsui Chemicals Inc	0.01%
Hilltop Holdings Inc	0.01%
Ivanhoe Mines Ltd Class A	0.01%
Vonage Holdings Corp	0.01%
Live Oak Bancshares Inc	0.01%
Alteryx Inc Class A	0.01%
Wienerberger Ag	0.01%
Telefonica Deutschland Holding AG	0.01%
Central Pattana Non-Voting Dr Pcl	0.01%
Bank Of Ireland Group Plc	0.01%
Amorepacific Corp	0.01%
Flat Glass Group Ltd H	0.01%
Xinjiang Goldwind Science And Tech	0.01%
RHB Bank	0.01%
Silvergate Capital Class A Corp	0.01%
Atlantic Union Bankshares Corp	0.01%
China Longyuan Power Group Corp Lt	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Dolby Laboratories Inc Class A	0.01%
Hitachi Construction Machinery Ltd	0.01%
Tingyi (Cayman Islands) Holdings	0.01%
Mandiant Inc	0.01%
Inner Mongolia Yili Industrial Group Co. Ltd	0.01%
Keio Corp	0.01%
Holmen Class B	0.01%
Kobayashi Pharmaceutical Ltd	0.01%
Boe Technology Group Ltd A	0.01%
Muyuan Foods Ltd A	0.01%
Ipg Photonics Corp	0.01%
Klabin Units SA	0.01%
Kuala Lumpur Kepong	0.01%
Independent Bank Corp	0.01%
Swire Pacific Ltd A	0.01%
Hoshizaki Corp	0.01%
Yunnan Baiyao Group Ltd A	0.01%
Kalbe Farma	0.01%
Flutter Entertainment Plc	0.01%
S.F. Holding Ltd A	0.01%
Triumph Bancorp Inc	0.01%
Indorama Ventures Non-Voting Dr Pc	0.01%
Abn Amro Bank Nv	0.01%
On Semiconductor Corp	0.01%
Dino Polska Sa	0.01%
Korean Air Lines Ltd	0.01%
Canadian Apartment Properties REIT	0.01%
International Bancshares Corp	0.01%
Zhangzhou Pientzehuang Pharmaceuti	0.01%
Greentown Service Group Ltd	0.01%
Gartner Inc	0.01%
Minor International Public Non Voting	0.01%
Washington Federal Inc	0.01%
Nmi Holdings Inc Class A	0.01%
Charoen Pokphand Foods Non-Voting	0.01%
Axos Financial Inc	0.01%
Pop Mart International Group	0.01%
Independent Bank Group Inc	0.01%
Ibiden Ltd	0.01%
Alibaba Health Information Tech Ltd	0.01%
PPB Group	0.01%
Hellenic Telecommunications Organization SA	0.01%
Corning Inc	0.01%
Ncr Corp	0.01%
Gedeon Richter	0.01%
Simmons First National Corp Class	0.01%
Axiata Group	0.01%
Shandong Weigao Group Medical PlyPolymer Co. Ltd	0.01%
Foshan Hai Tian Flavouring & Food	0.01%
Nestle Malaysia	0.01%
TIM SA	0.01%
Cia Energetica De Minas Gerais	0.01%
Aier Eye Hospital Group Ltd A	0.01%
Jiangsu Yanghe Brewery Joint-Stock	0.01%
Shimizu Corp	0.01%
Byd Ltd H	0.01%
Tongcheng Travel Holdings Ltd	0.01%
Hypermarcas Sa	0.01%
Smartsheet Inc Class A	0.01%
Ballard Power Systems Inc	0.01%
Community Bank System Inc	0.01%
Vinda International Ltd	0.01%
Poly Developments And Holdings Gro	0.01%
Chongqing Changan Automobile Ltd A	0.01%
Integra Lifesciences Holdings Corp	0.01%
Coway Ltd	0.01%
S.F. Holding Ltd	0.01%
Boralex Inc Class A	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Fluidra Sa	0.01%
Coca-Cola Femsa Class UBL Units	0.01%
Qualys Inc	0.01%
Ringcentral Inc Class A	0.01%
Husqvarna	0.01%
Largan Precision Ltd	0.01%
Coupa Software Inc	0.01%
Kornit Digital Ltd	0.01%
Sweco Class B	0.01%
Banco Bpm	0.01%
China Three Gorges Renewables	0.01%
Sps Commerce Inc	0.01%
AMMB Holdings	0.01%
Onto Innovation Inc	0.01%
Fuelcell Energy Inc	0.01%
Shanghai Pudong Development Bank L	0.01%
Shanghai M&G Stationery Inc A	0.01%
Bkw N Ag	0.01%
Smith And Nephew Plc	0.01%
LG Display Ltd	0.01%
Turkiye Sise Ve Cam Fabrikalari A	0.01%
Match Group Inc	0.01%
China State Construction Engineeri	0.01%
Banco De Sabadell Sa	0.01%
Hyundai Glovis Ltd	0.01%
Darling Ingredients Inc	0.01%
Spectris Plc	0.01%
Agricultural Bank Of China Ltd A	0.01%
China Minsheng Banking Corp Ltd A	0.01%
Rapid7 Inc	0.01%
Zte Corp A	0.01%
Catalent Inc	0.01%
Toyo Suisan Ltd	0.01%
Hulic Ltd	0.01%
Aviva Plc	0.01%
Posco Chemical Ltd	0.01%
Ito En Ltd	0.01%
Postal Savings Bank Of China Ltd	0.01%
John Bean Technologies Corp	0.01%
Bank Of Jiangsu Corporation Ltd A	0.01%
Hyundai Engineering & Construction	0.01%
Box Inc Class A	0.01%
Companhia Concessoes Rodoviarias SA	0.01%
Iflytek Ltd A	0.01%
Cgi Inc	0.01%
Saic Motor Corp Ltd A	0.01%
Energy Absolute Non-Voting Dr Pcl	0.01%
Cdw Corp	0.01%
Wan Hai Lines Ltd	0.01%
Globus Medical Inc Class A	0.01%
Scatec Solar	0.01%
Korea Zinc Inc	0.01%
Sany Heavy Industry Ltd A	0.01%
Hansoh Pharmaceutical Group Ltd	0.01%
Eva Airways Corp	0.01%
Bumrungrad Hospital Non-Voting	0.01%
Cs Wind Corp	0.01%
Welcia Holdings Ltd	0.01%
Bankinter Sa	0.01%
Penumbra Inc	0.01%
Grab Holdings Ltd Class	0.01%
Verbio Vereinigte Bioenergie Ag	0.01%
Haitong Securities Ltd Class A	0.01%
Scg Packaging Pcl Non-Voting Dr	0.01%
Totvs Sa	0.01%
Seacoast Banking Of Florida	0.01%
Arista Networks Inc	0.01%
GS Engineering & Construction Corp	0.01%

Asset Class & Holdings	% of fund net assets
Doosan Fuel Cell Ltd	0.01%
Gjensidige Forsikring	0.01%
Scb X Public Company Limited Non-V	0.01%
Tenable Holdings Inc	0.01%
Hillenbrand Inc	0.01%
Meyer Burger Technology Ag	0.01%
Taiwan High Speed Rail Corp	0.01%
Nutanix Inc Class A	0.01%
SKC Ltd	0.01%
Acer	0.01%
Valmet	0.01%
Energisa Units SA	0.01%
Aci Worldwide Inc	0.01%
Demant	0.01%
Natura Co Holding SA	0.01%
China Airlines Ltd	0.01%
Lamb Weston Holdings Inc	0.01%
Grupo Aeroportuario Del Sureste	0.01%
Alpha Services And Holdings	0.01%
Irhythm Technologies Inc	0.01%
3I Group Plc	0.01%
Home Product Center Non-Voting Dr	0.01%
Tandem Diabetes Care Inc	0.01%
Blackline Inc	0.01%
AAC Technologies Holdings Inc	0.01%
Wsfs Financial Corp	0.01%
Yuhan Corp	0.01%
Staar Surgical	0.01%
CJ CheilJedang Corp	0.01%
Banner Corp	0.01%
MicroPort Scientific Corp	0.01%
Guotai Junan Securities Ltd A	0.01%
Haier Smart Home Ltd A	0.01%
Rede Dor Sao Luiz Sa	0.01%
BTS Group Holdings Non-Voting Dr P	0.01%
Sun Communities Reit Inc	0.01%
Bank Of China Ltd A	0.01%
Commvault Systems Inc	0.01%
Creditors	-2.87%
Total	68.12%
Alternatives	
The Maui Capital Aqua Fund	0.47%
The Maui Capital Indigo Fund	0.14%
Pencarrow IV Investment	0.02%
Total	0.63%
Grand Total	**100%**

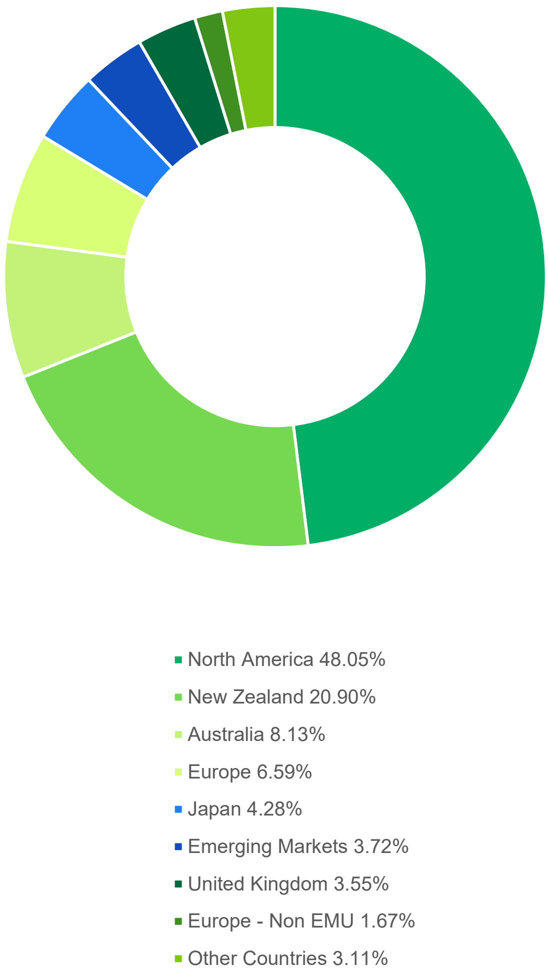
MAS KiwiSaver Scheme

Aggressive Fund Holdings

As at 30 June 2022

Asset Class & Holdings Region	% Portfolio
Cash and cash equivalents	
New Zealand	2.33%
Other	0.39%
Total	2.72%
New Zealand fixed interest	
New Zealand	2.15%
Total	2.15%
International fixed interest	
North America	3.31%
Japan	0.78%
Europe	0.81%
United Kingdom	0.60%
Emerging Markets	0.20%
Europe - Non EMU	0.08%
New Zealand	0.00%
Australia	-0.03%
Other Countries	0.25%
Total	6.00%
Australasian equities	
New Zealand	19.16%
Australia	8.28%
Total	27.44%
International equities	
North America	44.47%
Europe	5.76%
Japan	3.46%
Emerging Markets	3.47%
United Kingdom	2.93%
Europe - Non EMU	1.57%
Australia	-0.06%
New Zealand	-3.30%
Other Countries	2.83%
Total	61.13%
Alternatives	
New Zealand	0.56%
Total	0.56%
Grand Total	**100%**

Regional Asset Class Allocation



Notes:

1. Fund holdings are current as at 30 June 2022. Future holdings may be different from those stated. Investments are managed in accordance with the MAS KiwiSaver Scheme's SIPO, available on the MAS website at **mas.co.nz/kiwisaver**

2. For holdings by region:
   a. 'Other countries' includes any other region not named.
   b. For Cash and cash equivalents, regions other than New Zealand have been grouped as 'Other'.
   c. EMU is the European Economic and Monetary Union.
   d. All holdings have been rounded to 2 decimal places, so the sum of holdings may not always total to 100.00%.

3. For full holdings:
   a. Holdings less than 0.01% have been grouped as 'Other'.

4. Creditors are shown as negative holdings, which may include any currency hedging positions in place for the Fund.

5. Medical Funds Management Limited is the issuer of the MAS KiwiSaver Scheme. The PDS for the MAS KiwiSaver Scheme is available on the MAS website at **mas.co.nz/kiwisaver**

Asset Class & Holdings	% of fund net assets
Cash and cash equivalents	
JBWere Premium Custody Call Account - NZD	2.36%
USD Cash	0.25%
Debtors	0.07%
WSTP Term Deposit 1.600% 26/08/2021 26/08/2022	0.07%
RABOBK Term Deposit 1.550% 01/09/2021 01/09/2022	0.07%
CCB Term Deposit 3.7% 17/06/2022 19/06/2023	0.07%
WSTP Term Deposit 1.530% 02/08/2021 02/08/2022	0.06%
JPY Cash	0.04%
AUD Cash	0.03%
HKD Cash	0.03%
TWD Cash	0.03%
GBP Cash	0.02%
CAD Cash	0.02%
WSTP Term Deposit 2.620% 15/02/2022 15/02/2023	0.01%
EUR Cash	0.01%
MXN Cash	0.01%
NOK Cash	0.01%
CHF Cash	0.01%
DKK Cash	0.01%
KRW Cash	0.01%
Creditors	-0.46%
Total	2.72%
New Zealand fixed interest	
BNZ 4.985% 07/06/2027	0.41%
Vector Ltd 4.996% 14/03/2024	0.22%
Chorus Ltd 4.35% 06/12/2028	0.21%
NZ Govt 1.5% 15/05/2031	0.21%
Westpac NZ 3.696% 16/02/27	0.21%
ASB 5.524% 21/06/2027	0.14%
AIANZ 3.29% 17/11/2026	0.11%
WSTP 1.439% 02/24/26	0.10%
ANZNZ 2.999% 17/09/2031	0.09%
ANZNZ 3.03% 20/03/2024	0.09%
IFTNZ 3.50% 15/12/2029	0.08%
Quayside Holding (QHLNZ) 10% Series	0.06%
BNZ 2.16% 29/01/2025	0.06%
AIANZ 3.51% 10/10/2024	0.04%
ASBBNK 1.646% 04/05/2026	0.03%
CHURC 3.01% 05/11/2026	0.02%
KIWI 2.635% 05/10/2026	0.02%
ASBBNK 1.83% 08/19/2024	0.01%
CHURC 3.58% 27/11/2024	0.01%
WSTP 2.083% 20/02/2025	0.01%
Total	2.15%
International fixed interest	
Hunter Global Fixed Interest Fund	6.00%
Total	6.00%
Australasian equities	
Infratil Ltd	3.03%
Fisher & Paykel Healthcare Ltd	2.08%
Meridian Energy Limited	1.76%
Mainfreight Ltd	1.71%
Ebos Group Ltd	1.36%
Spark New Zealand Ltd	1.28%
Auckland International Airport Ltd	1.22%
National Australia Bank Ltd	1.16%
Fletcher Building Ltd	1.15%
CSL Limited	0.94%
NEXTDC Ltd	0.92%
A2 Milk Company Ltd	0.92%
Macquarie Group Ltd	0.87%
Mercury NZ Limited	0.80%
Chorus Ltd	0.78%
Telstra Corp Ltd	0.69%
Coles Group Ltd	0.66%

Asset Class & Holdings	% of fund net assets
Australasian equities (continued)	
Ramsay Health Care Ltd	0.64%
News Corp-CDI Class B	0.59%
Port of Tauranga Ltd	0.58%
Resmed Inc	0.57%
Summerset Group Holdings Ltd	0.54%
Freightways Ltd	0.48%
Block Inc - CDI	0.44%
Ryman Healthcare Ltd	0.44%
Oceania Healthcare Limited	0.43%
Xero Ltd	0.35%
Allkem Ltd	0.30%
Investore Property Limited	0.26%
Pushpay Holdings Ltd	0.21%
Wesfarmers Limited	0.16%
Stride Property Ltd and Stride Invest Mgmt Ltd	0.14%
Total	27.44%
International equities	
Microsoft Corp	3.94%
Alphabet Inc Class A	1.38%
Alphabet Inc Class C	1.31%
Tesla Inc	1.14%
Nvidia Corp	0.85%
Procter & Gamble	0.84%
Taiwan Semiconductor Manufacturing Co. Ltd	0.76%
Visa Inc Class A	0.72%
Thermo Fisher Scientific Inc	0.70%
Coca-Cola	0.63%
Abbvie Inc	0.63%
Eli Lilly	0.61%
Mastercard Inc Class A	0.60%
Pepsico Inc	0.57%
Home Depot Inc	0.55%
Tencent Holdings Ltd	0.55%
Adobe Inc	0.53%
Salesforce Inc	0.51%
Astrazeneca Plc	0.47%
Hsbc Holdings Plc	0.46%
Roche Holding Par AG	0.45%
Alibaba Group Holding Ltd	0.42%
Verizon Communications Inc	0.41%
Cisco Systems Inc	0.39%
Accenture Plc Class A	0.39%
ASML Holding NV	0.38%
Danaher Corp	0.38%
Novo Nordisk Class B	0.36%
Intel Corporation Corp	0.35%
Intuit Inc	0.34%
Walt Disney	0.33%
Servicenow Inc	0.33%
Amgen Inc	0.32%
Toyota Motor Corp	0.32%
Linde Plc	0.32%
Texas Instrument Inc	0.31%
International Business Machines Co	0.31%
Abbott Laboratories	0.29%
Unilever Plc	0.27%
S&P Global Inc	0.26%
United Parcel Service Inc Class B	0.26%
Elevance Health Inc	0.26%
Apple Inc	0.26%
Lowes Companies Inc	0.26%
Aia Group Ltd	0.25%
Nike Inc Class B	0.25%
Becton Dickinson	0.25%
Toronto Dominion	0.23%
American Tower Reit Corp	0.22%
Automatic Data Processing Inc	0.22%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Caterpillar Inc	0.21%
Sony Group Corp	0.20%
Sap	0.20%
Meituan	0.20%
Colgate-Palmolive	0.20%
Edwards Lifesciences Corp	0.19%
Morgan Stanley	0.19%
Amazon Com Inc	0.19%
Chubb Ltd	0.19%
Medtronic Plc	0.19%
Cigna Corp	0.19%
Zoetis Inc Class A	0.18%
BlackRock Inc	0.18%
Charles Schwab Corp	0.18%
Kimberly Clark Corp	0.18%
Applied Material Inc	0.18%
American Express	0.17%
Gilead Sciences Inc	0.17%
Deere	0.17%
Starbucks Corp	0.17%
Vertex Pharmaceuticals Inc	0.17%
Prologis REIT Inc	0.17%
Bnp Paribas Sa	0.17%
Johnson & Johnson	0.16%
Loreal SA	0.16%
Sika Ag	0.16%
Regeneron Pharmaceuticals Inc	0.15%
Allianz	0.15%
Target Corp	0.15%
Marsh & McLennan Inc	0.15%
Synopsys Inc	0.15%
Oracle Corp	0.14%
CME Group Inc Class A	0.14%
Vinci Sa	0.14%
Crown Castle International Reit Co	0.14%
Booking Holdings Inc	0.14%
Pnc Financial Services Group Inc	0.14%
Bank Of Nova Scotia	0.14%
Illinois Tool Inc	0.14%
Autodesk Inc	0.14%
Unitedhealth Group Inc	0.14%
Crh Plc	0.13%
Lair Liquide Societe Anonyme Pour	0.13%
Progressive Corp	0.13%
Lam Research Corp	0.13%
Sherwin Williams	0.13%
Cadence Design Systems Inc	0.13%
Truist Financial Corp	0.13%
TJX Inc	0.13%
Humana Inc	0.13%
Lloyds Banking Group Plc	0.13%
China Construction Bank Corp H	0.13%
Waste Management Inc	0.12%
Schneider Electric	0.12%
Relx Plc	0.12%
Vestas Wind Systems	0.12%
CSX Corp	0.12%
Reckitt Benckiser Group Plc	0.12%
Bank Of Montreal	0.12%
Baxter International Inc	0.12%
Ing Groep Nv	0.12%
Estee Lauder Inc Class	0.11%
Equinix Reit Inc	0.11%
Electronic Arts Inc	0.11%
Aon Plc Class A	0.11%
Centene Corp	0.11%
General Mills Inc	0.11%
Roper Technologies Inc	0.11%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Compagnie Financiere Richemont SA	0.11%
Prosus NV	0.10%
Idexx Laboratories Inc	0.10%
Ecolab Inc	0.10%
Norfolk Southern Corp	0.10%
Intercontinental Exchange Inc	0.10%
Dexcom Inc	0.10%
Meta Platforms Inc Class A	0.10%
Intesa Sanpaolo	0.10%
KDDI Corp	0.10%
Vodafone Group Plc	0.10%
Eaton Plc	0.10%
Banco Bilbao Vizcaya Argentaria Sa	0.10%
Tokyo Electron Ltd	0.10%
Aflac Inc	0.09%
Enphase Energy Inc	0.09%
Nintendo Ltd	0.09%
Nordea Bank	0.09%
Newmont	0.09%
Daiichi Sankyo Ltd	0.09%
Iqvia Holdings Inc	0.09%
Hca Healthcare Inc	0.09%
Hitachi Ltd	0.09%
Axa SA	0.09%
Nxp Semiconductors Nv	0.09%
Compass Group Plc	0.09%
Moodys Corp	0.09%
Intuitive Surgical Inc	0.08%
Canadian Imperial Bank of Commerce	0.08%
ABB Ltd	0.08%
Geberit Ag	0.08%
Nutrien Ltd	0.08%
Essilorluxottica SA	0.08%
Ansys Inc	0.08%
Church And Dwight Inc	0.08%
Vmware Class A Inc	0.08%
Baidu Class A Inc	0.08%
Recruit Holdings Ltd	0.08%
Pfizer Inc	0.08%
Travelers Companies Inc	0.08%
Activision Blizzard Inc	0.08%
Agilent Technologies Inc	0.08%
Prudential Plc	0.08%
Motorola Solutions Inc	0.08%
Mccormick & Co Non-Voting Inc	0.08%
Ppg Industries Inc	0.08%
DBS Group Holdings Ltd	0.08%
Daikin Industries Ltd	0.08%
Lonza Group AG	0.08%
Solaredge Technologies Inc	0.08%
T Rowe Price Group Inc	0.08%
Hp Inc	0.08%
SK Hynix Inc	0.08%
West Pharmaceutical Services Inc	0.07%
Kering SA	0.07%
Netease Inc	0.07%
Fanuc Corp	0.07%
Boston Scientific Corp	0.07%
Nucor Corp	0.07%
Hormel Foods Corp	0.07%
Ww Grainger Inc	0.07%
Prudential Financial Inc	0.07%
Stryker Corp	0.07%
Cvs Health Corp	0.07%
Steris	0.07%
Welltower Inc	0.07%
Clorox	0.07%
Bank Of New York Mellon Corp	0.07%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Danone SA	0.07%
Shopify Subordinate Voting Inc Class A	0.07%
M&T Bank Corp	0.07%
Biogen Inc	0.07%
Johnson Controls International Plc	0.07%
Amcor Plc	0.07%
Sba Communications Reit Corp	0.07%
Allstate Corp	0.07%
Arthur J Gallagher	0.07%
MediaTek Inc	0.07%
Genuine Parts	0.07%
China Merchants Bank Ltd	0.07%
Illumina Inc	0.07%
Lululemon Athletica Inc	0.06%
Holcim Ltd Ag	0.06%
Keurig Dr Pepper Inc	0.06%
Merck & Co Inc	0.06%
Palo Alto Networks Inc	0.06%
Byd Ltd	0.06%
Deutsche Boerse AG	0.06%
Hoya Corp	0.06%
Hilton Worldwide Holdings Inc	0.06%
Wuxi Biologics Cayman Inc	0.06%
Rockwell Automation Inc	0.06%
Givaudan SA	0.06%
Splunk Inc	0.06%
Waste Connections Inc	0.06%
Itochu Corp	0.06%
Mettler Toledo Inc	0.06%
SoftBank Corp	0.06%
Amerisourcebergen Corp	0.06%
International Flavors & Fragrances	0.06%
Compagnie De Saint Gobain Sa	0.06%
Cincinnati Financial Corp	0.06%
Dover Corp	0.06%
Qualcomm Inc	0.06%
Carrier Global Corp	0.06%
Daiwa House Industry Ltd	0.06%
Hologic Inc	0.06%
First Republic Bank	0.06%
Adidas N AG	0.06%
Murata Manufacturing Ltd	0.06%
Trane Technologies Plc	0.06%
Warner Bros. Discovery Inc	0.06%
Paccar Inc	0.06%
Otis Worldwide Corp	0.06%
Astellas Pharma Inc	0.06%
Cardinal Health Inc	0.06%
East Japan Railway	0.06%
Banco Santander Sa	0.06%
Keysight Technologies Inc	0.06%
Plug Power Inc	0.06%
Verisk Analytics Inc	0.06%
Take Two Interactive Software Inc	0.06%
Fast Retailing Ltd	0.06%
Assa Abloy B	0.06%
Svb Financial Group	0.06%
MercadoLibre Inc	0.06%
Societe Generale Sa	0.05%
Republic Services Inc	0.05%
Advanced Micro Devices Inc	0.05%
Fastenal	0.05%
American Water Works Inc	0.05%
Fortive Corp	0.05%
Vf Corp	0.05%
Broadcom Inc	0.05%
Ebay Inc	0.05%
Cummins Inc	0.05%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Ameriprise Finance Inc	0.05%
Koninklijke Ahold Delhaize NV	0.05%
Nibe Industrier Class B	0.05%
Sysco Corp	0.05%
Wolters Kluwer NV	0.05%
Bank Central Asia	0.05%
Insulet Corp	0.05%
Discover Financial Services	0.05%
KKR and Co Inc	0.05%
Dnb Bank	0.05%
Laboratory Corporation Of America	0.05%
Fortinet Inc	0.05%
Sse Plc	0.05%
Aptiv Plc	0.05%
Northern Trust Corp	0.05%
Old Dominion Freight Line	0.05%
Essity Class B	0.05%
CBRE Group Inc Class A	0.05%
Citrix Systems Inc	0.05%
Ferguson Plc	0.05%
Atlas Copco Class A	0.05%
BMW AG	0.05%
Ross Stores Inc	0.05%
Umicore Sa	0.05%
Orange SA	0.05%
Industria De Diseno Textil Inditex	0.05%
Swiss Re AG	0.05%
Fujitsu Ltd	0.05%
Barclays Plc	0.05%
Open Text Corp	0.05%
Bristol Myers Squibb	0.05%
Li Auto Adr Inc	0.05%
Archer Daniels Midland	0.05%
Weyerhaeuser REIT	0.05%
Koninkilijke Dsm NV	0.05%
Kellogg	0.05%
Crowdstrike Holdings Inc Class A	0.05%
Intact Financial Corp	0.05%
Naver Corp	0.04%
Samsung SDI Ltd	0.04%
Copart Inc	0.04%
D R Horton Inc	0.04%
Citizens Financial Group Inc	0.04%
Tractor Supply	0.04%
State Street Corp	0.04%
Ball Corp	0.04%
Kbc Groep	0.04%
Hubspot Inc	0.04%
Assa Abloy AB	0.04%
United Overseas Bank Ltd	0.04%
Pentair	0.04%
Contemporary Amperex Technology Lt	0.04%
Kingspan Group Plc	0.04%
Regions Financial Corp	0.04%
Willis Towers Watson Plc	0.04%
Merck	0.04%
Yum China Holdings Inc	0.04%
Ashtead Group Plc	0.04%
Huntington Bancshares Inc	0.04%
Legal And General Group Plc	0.04%
Sampo	0.04%
Abiomed Inc	0.04%
Chocoladefabriken Lindt & Spruengli AG	0.04%
Franklin Resources Inc	0.04%
Hartford Financial Services Group	0.04%
Teleflex Inc	0.04%
Ericsson B	0.04%
National Bank Of Canada	0.04%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
A O Smith Corp	0.04%
West Fraser Timber Ltd	0.04%
Keycorp	0.04%
Terumo Corp	0.04%
Agnico Eagle Mines Ltd	0.04%
Wh Group Ltd	0.04%
Ulta Beauty Inc	0.04%
Nortonlifelock Inc	0.04%
China Mengniu Dairy Ltd	0.04%
Fujifilm Holdings Corp	0.04%
Ventas Reit Inc	0.04%
Gsk	0.04%
Perkinelmer Inc	0.04%
Genmab	0.04%
Eiffage Sa	0.04%
Kao Corp	0.04%
Align Technology Inc	0.04%
Brown Forman Corp Class B	0.04%
Walgreen Boots Alliance Inc	0.04%
Komatsu Ltd	0.04%
Hewlett Packard Enterprise	0.04%
Xylem Inc	0.04%
A P Moller Maersk	0.04%
Compagnie Generale Des Etablisseme	0.04%
Orix Corp	0.04%
Horizon Therapeutics Public Plc	0.04%
Chugai Pharmaceutical Ltd	0.04%
Bouygues Sa	0.04%
Cooper Inc	0.04%
Mckesson Corp	0.04%
Conagra Brands Inc	0.04%
Legrand SA	0.04%
Novartis Ag	0.04%
Diageo Plc	0.04%
Dai-Ichi Life Holdings Inc	0.04%
Water Corp	0.04%
Catalent Inc	0.04%
Panasonic Holdings Corp	0.04%
Nasdaq Inc	0.04%
Xinyi Solar Holdings Ltd	0.04%
Bt Group Plc	0.04%
Ferrovial Sa	0.04%
Mosaic	0.04%
Kla Corp	0.04%
Quest Diagnostics Inc	0.04%
Workday Inc Class A	0.04%
Quanta Services Inc	0.04%
Molina Healthcare Inc	0.03%
Banco Bradesco Pref SA	0.03%
Martin Marietta Materials Inc	0.03%
Teleperformance	0.03%
Kakao Corp	0.03%
Link Real Estate Investment Trust	0.03%
Uni-President Enterprises Corp	0.03%
Sandvik	0.03%
Longi Green Energy Technology Ltd	0.03%
First Solar Inc	0.03%
Zimmer Biomet Holdings Inc	0.03%
United Rentals Inc	0.03%
Incyte Corp	0.03%
Thomson Reuters Corp	0.03%
Biomarin Pharmaceutical Inc	0.03%
Arch Capital Group Ltd	0.03%
Zebra Technologies Corp Class A	0.03%
Bunge Ltd	0.03%
Ingersoll Rand Inc	0.03%
Sonova Holding AG	0.03%
Shiseido Ltd	0.03%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Alnylam Pharmaceuticals Inc	0.03%
Raymond James Inc	0.03%
Wheaton Precious Metals Corp	0.03%
Dollarama Inc	0.03%
Datadog Inc Class A	0.03%
Veolia Environ. SA	0.03%
Albemarle Corp	0.03%
Magna International Inc	0.03%
Omron Corp	0.03%
United Micro Electronics Corp	0.03%
Mondelez International Inc Class A	0.03%
Principal Financial Group Inc	0.03%
Bio Techne Corp	0.03%
Transunion	0.03%
Waters Corp	0.03%
Segro Reit Plc	0.03%
Zoom Video Communications Inc Clas	0.03%
China Resources Land Ltd	0.03%
Heidelbergcement Ag	0.03%
Lpl Financial Holdings Inc	0.03%
Rogers Communications Non-Voting I	0.03%
International Paper	0.03%
Mitsubishi Estate Co Ltd	0.03%
Air Products And Chemicals Inc	0.03%
Trimble Inc	0.03%
Chubu Electric Power Inc	0.03%
Mcdonalds Corp	0.03%
Unicharm Corp	0.03%
Kerry Group Plc	0.03%
Pearson Plc	0.03%
Expeditors International Of Washington Inc	0.03%
Expeditors International Of Washin	0.03%
Shionogi Ltd	0.03%
Ptc Inc	0.03%
WR Berkley Corp	0.03%
FactSet Research Systems Inc	0.03%
Synchrony Financial	0.03%
Standard Chartered Plc	0.03%
Byd Ltd A	0.03%
Pool Corp	0.03%
Fubon Financial Holding Ltd	0.03%
Healthpeak Properties Inc	0.03%
Xpeng Adr Representing Inc	0.03%
Symrise AG	0.03%
Realty Income Reit Corp	0.03%
Upm-Kymmene	0.03%
Cognex Corp	0.03%
Zendesk Inc	0.03%
SGS SA	0.03%
Kubota Corp	0.03%
Cintas Corp	0.03%
Chunghwa Telecom Ltd	0.03%
China Yangtze Power Ltd A	0.03%
CTBC Financial Holding Ltd	0.03%
Swiss Life Holding AG	0.03%
Sunrun Inc	0.03%
Power Corporation Of Canada	0.03%
KB Financial Group Inc	0.03%
Boston Properties Reit Inc	0.03%
Wpp Plc	0.03%
Coloplast B	0.03%
Generac Holdings Inc	0.03%
Straumann Holding AG	0.03%
Dominos Pizza Inc	0.03%
Yaskawa Electric Corp	0.03%
Singapore Telecommunications Ltd	0.03%
3M	0.03%
Marubeni Corp	0.03%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Best Buy Inc	0.03%
Shinhan Financial Group Ltd	0.03%
Edp Renovaveis Sa	0.03%
Grupo Finance Banorte	0.03%
Delta Electronics Inc	0.03%
Brown & Brown Inc	0.03%
CarMax Inc	0.03%
China Merchants Bank Ltd A	0.03%
Sompo Holdings Inc	0.03%
Glencore Plc	0.03%
Public Bank	0.03%
BOC Hong Kong Holdings Ltd	0.03%
Microchip Technology Inc	0.03%
TDK Corp	0.03%
Rentokil Initial Plc	0.03%
Booz Allen Hamilton Holding Corp C	0.03%
Ping An Insurance (Group) Of China	0.03%
Telekomunikasi Indonesia	0.03%
Jb Hunt Transport Services	0.03%
Novozymes B	0.03%
Kuehne und Nagel International AG	0.03%
Bank Leumi Le Israel	0.03%
Campbell Soup	0.03%
Atlas Copco Class B	0.03%
Hang Seng Bank Ltd	0.03%
NN Group NV	0.03%
E.Sun Financial Holding Ltd	0.03%
MS&AD Insurance Group Holdings Inc	0.02%
Unicredit	0.02%
Cathay Financial Holding Ltd	0.02%
Idex Corp	0.02%
Howmet Aerospace Inc	0.02%
LKQ Corp	0.02%
Akzo Nobel NV	0.02%
Jazz Pharmaceuticals Plc	0.02%
Federal Realty Investment Trust Re	0.02%
Henry Schein Inc	0.02%
Nan Ya Plastics Corp	0.02%
Trade Desk Inc Class A	0.02%
United Utilities Group Plc	0.02%
Contemporary Amperex Technology Ltd	0.02%
China Overseas Land Investment Ltd	0.02%
Alleghany Corp	0.02%
CH Robinson Worldwide Inc	0.02%
Bunzl	0.02%
Fomento Economico Mexicano	0.02%
Croda International Plc	0.02%
Rio Tinto Plc	0.02%
Informa Plc	0.02%
Walmart Inc	0.02%
Mega Financial Holding Ltd	0.02%
Steel Dynamics Inc	0.02%
Celanese Corp	0.02%
Verbund Ag	0.02%
WSP Global Inc	0.02%
Commerzbank Ag	0.02%
Eisai Ltd	0.02%
AEON Ltd	0.02%
Essex Property Trust Reit Inc	0.02%
Cboe Global Markets Inc	0.02%
Nomura Holdings Inc	0.02%
Hasbro Inc	0.02%
Stanley Black & Decker Inc	0.02%
Svenska Cellulosa B	0.02%
Mtr Corporation Corp Ltd	0.02%
Snap Inc Class A	0.02%
Webster Financial Corp	0.02%
Metro Inc	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Nippon Yusen	0.02%
Terna Rete Elettrica Nazionale	0.02%
Mowi	0.02%
Natwest Group Plc	0.02%
Henkel & KGaA Pref AG	0.02%
CNH Industrial NV	0.02%
Masco Corp	0.02%
Interpublic Group Of Companies Inc	0.02%
Novocure Ltd	0.02%
Coca Cola European Partners Plc	0.02%
Telus Corp	0.02%
Westrock	0.02%
Paypal Holdings Inc	0.02%
China Steel Corp	0.02%
Nippon Steel Corp	0.02%
Ally Financial Inc	0.02%
Spirax-Sarco Engineering Plc	0.02%
Deutsche Bank Ag	0.02%
Next Plc	0.02%
Brenntag SE	0.02%
Advance Auto Parts Inc	0.02%
Netflix Inc	0.02%
Assurant Inc	0.02%
Intercontinental Hotels Group Plc	0.02%
First Financial Holding Ltd	0.02%
Pultegroup Inc	0.02%
Analog Devices Inc	0.02%
CP All Non-Voting Dr Pcl	0.02%
Nitto Denko Corp	0.02%
Publicis Groupe SA	0.02%
Smurfit Kappa Group Plc	0.02%
Intertek Group Plc	0.02%
Daifuku Ltd	0.02%
Mtu Aero Engines Holding Ag	0.02%
Daqo New Energy Adr Representing	0.02%
Sysmex Corp	0.02%
Ajinomoto Inc	0.02%
Koninklijke KPN NV	0.02%
Skandinaviska Enskilda Banken	0.02%
Siemens Gamesa Renewable Energy Sa	0.02%
Sekisui House Ltd	0.02%
Wuliangye Yibin Ltd A	0.02%
Snap On Inc	0.02%
Teradyne Inc	0.02%
Severn Trent Plc	0.02%
Epiroc Class A	0.02%
Carrefour SA	0.02%
Telia Company	0.02%
Saputo Inc	0.02%
Hanwha Solutions Corp	0.02%
Zoominfo Technologies Inc	0.02%
Acciona Sa	0.02%
Rohm Ltd	0.02%
Guidewire Software Inc	0.02%
Siam Cement Non-Voting Dr Pcl	0.02%
Corteva Inc	0.02%
Palantir Technologies Inc Class A	0.02%
CSPC Pharmaceutical Group Ltd	0.02%
Novo Nordisk Class B	0.02%
Cameco Corp	0.02%
Hana Financial Group Inc	0.02%
Burberry Group Plc	0.02%
Mondi Plc	0.02%
Allegion Plc	0.02%
WEG SA	0.02%
Snowflake Class A	0.02%
Sumitomo Mitsui Trust Holdings Inc	0.02%
Lumen Technologies Inc	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Dassault Systemes	0.02%
Ametek Inc	0.02%
Caixabank Sa	0.02%
Longfor Group Holdings Ltd	0.02%
Hennes & Mauritz	0.02%
St James Place Plc	0.02%
Tyler Technologies Inc	0.02%
Boliden	0.02%
West Japan Railway	0.02%
CapitaLand Integrated Commercial Trust	0.02%
BorgWarner Inc	0.02%
Paycom Software Inc	0.02%
Country Garden Services Holdings Co. Ltd	0.02%
Malayan Banking	0.02%
Monster Beverage Corp	0.02%
Constellation Brands Inc Class A	0.02%
Worldline Sa	0.02%
Chailease Holding Ltd	0.02%
Asahi Kasei Corp	0.02%
Cdk Global Inc	0.02%
Fortune Brands Home And Security Inc	0.02%
Annaly Capital Management Reit Inc	0.02%
Resona Holdings Inc	0.02%
Powszechna Kasa Oszczednosci Bank	0.02%
Sumitomo Metal Mining Ltd	0.02%
MarketAxess Holdings Inc	0.02%
George Weston Ltd	0.02%
Gea Group Ag	0.02%
Berkeley Group Holdings (The) Plc	0.02%
Ss And C Technologies Holdings Inc	0.02%
Chr Hansen Holding	0.02%
Taiwan Cooperative Financial Holdings	0.02%
Keyence Corp	0.02%
Bangkok Dusit Medical Services	0.02%
Norsk Hydro	0.02%
Persimmon Plc	0.02%
Skanska B	0.02%
Dentsply Sirona Inc	0.02%
Nomura Research Institute Ltd	0.02%
Hydro One Ltd	0.02%
Bio Rad Laboratories Inc Class A	0.02%
Anglo American Plc	0.02%
Micron Technology Inc	0.02%
Z Holdings Corp	0.02%
Beiersdorf AG	0.02%
Telenor	0.02%
Associated British Foods Plc	0.02%
Vail Resorts Inc	0.02%
Hershey Foods	0.02%
Burlington Stores Inc	0.02%
Credicorp Ltd	0.02%
Hexagon Class B	0.02%
Robert Half	0.02%
Sumitomo Realty & Development Ltd	0.02%
Neurocrine Biosciences Inc	0.02%
Lincoln National Corp	0.02%
Elisa	0.02%
Zscaler Inc	0.02%
Wuxi Apptec Ltd A	0.02%
Bureau Veritas SA	0.02%
Shimadzu Corp	0.02%
NTT Data Corp	0.02%
Digital Realty Trust Reit Inc	0.02%
Toray Industries Inc	0.02%
Acs Actividades De Construccion Y	0.02%
Svenska Handelsbanken-A Shs	0.02%
Airports Of Thailand Non-Voting Dr	0.02%
Elanco Animal Health Inc	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Stora Enso Class R	0.02%
Toto Ltd	0.02%
Newell Brands Inc	0.02%
Evergreen Marine Corp (Taiwan) Ltd	0.02%
Toyota Industries Corp	0.02%
Vivendi	0.01%
Rollins Inc	0.01%
Garmin Ltd	0.01%
Postal Savings Bank Of China Ltd A	0.01%
Credit Agricole Sa	0.01%
Fidelity National Information Serv	0.01%
Docusign Inc	0.01%
Lear Corp	0.01%
Western Union	0.01%
Red Electrica SA	0.01%
Brookfield Renewable Subordinate V	0.01%
Industrial Bank Ltd A	0.01%
Owens Corning	0.01%
Land Securities Group Reit Plc	0.01%
Leg Immobilien N	0.01%
Mitsubishi Chemical Group Corp	0.01%
Cable One Inc	0.01%
Sage Group Plc	0.01%
Knight-Swift Transportation Holdin	0.01%
Imcd Nv	0.01%
Kingfisher Plc	0.01%
Fiserv Inc	0.01%
China Vanke Ltd A	0.01%
Toromont Industries Ltd	0.01%
Taiwan Mobile Ltd	0.01%
Sungrow Power Supply Ltd A	0.01%
Yokogawa Electric Corp	0.01%
East Money Information Ltd A	0.01%
Lennox International Inc	0.01%
Swedbank	0.01%
Bill Com Holdings Inc	0.01%
Aspen Technology Inc	0.01%
Taiwan Cement Corp	0.01%
Prysmian	0.01%
Nippon Building Fund Reit Inc	0.01%
Tfi International Inc	0.01%
Alfa Laval	0.01%
Sensata Technologies Holding Plc	0.01%
Fair Isaac Corp	0.01%
Canadian Tire Ltd Class	0.01%
Puma	0.01%
Moderna Inc	0.01%
Asustek Computer Inc	0.01%
Shanghai Commercial Ltd	0.01%
Kesko Class B	0.01%
Voya Financial Inc	0.01%
Ritchie Bros Auctioneers Inc	0.01%
Antofagasta Plc	0.01%
Barratt Developments	0.01%
First Interstate Bancsystem Inc Cl	0.01%
Alstom Sa	0.01%
First Bancorp	0.01%
Advantest Corp	0.01%
Klepierre REIT SA	0.01%
Yakult Honsha Ltd	0.01%
Kikkoman Corp	0.01%
Unibail-Rodamco-Westfield Stapled Units	0.01%
Black Knight Inc	0.01%
Azbil Corp	0.01%
Hankyu Hanshin Holdings Inc	0.01%
London Stock Exchange Group Plc	0.01%
First Horizon Corp	0.01%
Solvay SA	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Popular Inc	0.01%
Carlyle Group Inc	0.01%
Tyson Foods Inc Class A	0.01%
Whitbread Plc	0.01%
Nidec Corp	0.01%
Vifor N . Linie Ag	0.01%
Exact Sciences Corp	0.01%
LG Electronics Inc	0.01%
Bloom Energy Class A Corp	0.01%
Renesas Electronics Corp	0.01%
CIMB Group Holdings	0.01%
Lenovo Group Ltd	0.01%
HKT Trust & HKT Ltd	0.01%
Kraft Heinz	0.01%
Umb Financial Corp	0.01%
Japan Real Estate Investment Trust	0.01%
Nissin Foods Holdings Ltd	0.01%
Yunnan Energy New Materials Ltd A	0.01%
Nippon Paint Holdings Ltd	0.01%
Sumitomo Chemical Ltd	0.01%
Citic Ltd	0.01%
Hotai Motor Ltd	0.01%
Tcl Zhonghuan Renewable Energy Tec	0.01%
Ormat Tech Inc	0.01%
Randstad Holding	0.01%
Pandora	0.01%
Prosperity Bancshares Inc	0.01%
Delivery Hero	0.01%
Sinopac Financial Holdings Ltd	0.01%
Elastic Nv	0.01%
Advanced Info Service Non-Voting D	0.01%
Nio American Depositary Shares Rep	0.01%
Essent Group Ltd	0.01%
Signify Nv	0.01%
Elia Group SA	0.01%
SKF B	0.01%
Zhejiang Huayou Cobalt Ltd A	0.01%
LG Corp	0.01%
Danske Bank	0.01%
United Bankshares Inc	0.01%
Ocado Group Plc	0.01%
Capitaland Investment Ltd	0.01%
Central Japan Railway	0.01%
Xiaomi Corp	0.01%
Adecco Group AG	0.01%
Esr Group Ltd	0.01%
Suntory Beverage & Food Ltd	0.01%
Yadea Group Holdings Ltd	0.01%
Nippon Prologis Reit Inc	0.01%
Henkel AG	0.01%
Meiji Holdings Ltd	0.01%
Commerce Bancshares Inc	0.01%
Zalando	0.01%
First Citizens Bancshares Inc Clas	0.01%
Ganfeng Lithium Ltd A	0.01%
Hellofresh	0.01%
Eqt	0.01%
President Chain Store Corp	0.01%
Mgic Investment Corp	0.01%
Temenos Ag	0.01%
Cemex CPO	0.01%
Orkla	0.01%
Southstate Corp	0.01%
Yamaha Corp	0.01%
Tokyu Corp	0.01%
China Tourism Group Duty Free Corp	0.01%
Inner Mongolia Yili Industrial Gro	0.01%
China Everbright Environment Group	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Bank Pekao SA	0.01%
Gildan Activewear Inc	0.01%
Taisei Corp	0.01%
Us Bancorp	0.01%
Grupo Bimbo A	0.01%
Jpmorgan Chase & Co	0.01%
Wintrust Financial Corp	0.01%
Sun Hung Kai Properties Ltd	0.01%
Equitable Holdings Inc	0.01%
Lattice Semiconductor Corp	0.01%
Lixil Corp	0.01%
Hancock Whitney Corp	0.01%
Bank Ozk	0.01%
Taishin Financial Holding Ltd	0.01%
Glacier Bancorp Inc	0.01%
China Vanke Ltd H	0.01%
Teradata Corp	0.01%
Columbia Banking System Inc	0.01%
Tele2 B	0.01%
Citic Securities Ltd A	0.01%
Carl Zeiss Meditec AG	0.01%
Kingdee Intl. Software Group Ltd	0.01%
Flagstar Bancorp Inc	0.01%
Fnb Corp	0.01%
Ameris Bancorp	0.01%
Silicon Laboratories Inc	0.01%
Texas Capital Bancshares Inc	0.01%
Bankunited Inc	0.01%
Citigroup Inc	0.01%
Western Alliance	0.01%
Taylor Wimpey Plc	0.01%
Old National Bancorp	0.01%
East West Bancorp Inc	0.01%
First Financial Bankshares Inc	0.01%
Lg H & H Ltd	0.01%
Cullen Frost Bankers Inc	0.01%
FirstService Subordinate Voting Co	0.01%
Abrdn Plc	0.01%
Singapore Airlines Ltd	0.01%
Radian Group Inc	0.01%
Gerdau Pref Sa	0.01%
Belimo N Ag	0.01%
Localiza Rent A Car SA	0.01%
Erste Group Bank Ag	0.01%
Kurita Water Industries Ltd	0.01%
Orion Class B	0.01%
Amphenol Corp Class A	0.01%
Comerica Inc	0.01%
Hmm Ltd	0.01%
Kinross Gold Corp	0.01%
Airtac International Group	0.01%
Davita Inc	0.01%
Yang Ming Marine Transport Corp	0.01%
Invesco Ltd	0.01%
New York Community Bancorp Inc	0.01%
Kintetsu Group Holdings Ltd	0.01%
Jeronimo Martins SA	0.01%
Dynatrace Inc	0.01%
JFE Holdings Inc	0.01%
Eve Energy Ltd A	0.01%
Far Eastone Telecommunications Ltd	0.01%
Odakyu Electric Railway Ltd	0.01%
Lincoln Electric Holdings Inc	0.01%
Empire Ltd Class A	0.01%
Sino Land Ltd	0.01%
Want Want China Holdings	0.01%
Umpqua Holdings Corp	0.01%
Voltronic Power Technology Corp	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Yamaha Motor Ltd	0.01%
Experian Plc	0.01%
Woori Financial Group Inc	0.01%
Te Connectivity Ltd	0.01%
Marvell Technology Inc	0.01%
Manhattan Associates Inc	0.01%
Zions Bancorporation	0.01%
Sekisui Chemical Ltd	0.01%
Paychex Inc	0.01%
OTP Bank	0.01%
Pennymac Financial Services Inc	0.01%
Shopify Subordinate Voting Inc Cla	0.01%
Tesco Plc	0.01%
Lundin Mining Corp	0.01%
Associated Bancorp	0.01%
Dai Nippon Printing Ltd	0.01%
Minebea Mitsumi Inc	0.01%
Wuxi Apptec Ltd H	0.01%
Schroders Plc	0.01%
Cvb Financial Corp	0.01%
Mr Cooper Group Inc	0.01%
Masimo Corp	0.01%
Jiangsu Hengrui Medicine Ltd A	0.01%
Bank Of America Corp	0.01%
Yageo Corp	0.01%
Valley National	0.01%
Fulton Financial Corp	0.01%
Apollo Global Management Inc	0.01%
Banco Do Brasil SA	0.01%
Gecina SA	0.01%
Hirose Electric Ltd	0.01%
Cognizant Technology Solutions Cor	0.01%
United Community Banks Inc	0.01%
Bruker Corp	0.01%
Fifth Third Bancorp	0.01%
Pinnacle Financial Partners Inc	0.01%
Capcom Ltd	0.01%
Luxshare Precision Industry Ltd A	0.01%
Vonovia Se	0.01%
Synovus Financial Corp	0.01%
Rocket Companies Inc Class A	0.01%
Singapore Exchange Ltd	0.01%
Spie Sa	0.01%
Industrial And Commercial Bank Of	0.01%
Ncsoft Corp	0.01%
Ricoh Ltd	0.01%
Shenzhen Inovance Technology Ltd A	0.01%
Teladoc Health Inc	0.01%
Bentley Systems Inc Class B	0.01%
Vipshop Holdings Sponsored Ads Rep	0.01%
Wens Foodstuff Group Ltd	0.01%
Envista Holdings Corp	0.01%
Guangzhou R&F Properties Ltd H	0.01%
Tobu Railway Ltd	0.01%
Paylocity Holding Corp	0.01%
Shoals Technologies Group Inc Clas	0.01%
Valeo	0.01%
Hapvida Participacoes E Investimen	0.01%
Nexi	0.01%
Shanghai Fosun Pharmaceutical (Group) Co. Ltd	0.01%
Auo Corp	0.01%
Luzhou Lao Jiao Ltd A	0.01%
China Feihe Ltd	0.01%
Rivian Automotive Inc Class	0.01%
Banco Bradesco Sa	0.01%
British Land Reit Plc	0.01%
Press Metal Aluminium Holdings	0.01%
Clariant AG	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Evonik Industries Ag	0.01%
Sunnova Energy International Inc	0.01%
Sainsbury (J) Plc	0.01%
City Developments Ltd	0.01%
Home Bancshares Inc	0.01%
Unilever Indonesia	0.01%
Dropbox Inc Class A	0.01%
Ja Solar Technology Ltd A	0.01%
Global Payments Inc	0.01%
Finecobank Banca Fineco	0.01%
Shockwave Medical Inc	0.01%
Five9 Inc	0.01%
Amerco	0.01%
Equatorial Energia SA	0.01%
Rumo SA	0.01%
Shenzhen Mindray Bio-Medical Elect	0.01%
Shimao Group Holdings Ltd	0.01%
GN Store Nord	0.01%
JDE Peets Nv	0.01%
SG Holdings Ltd	0.01%
Beijing Enterprises Water Group Lt	0.01%
Bok Financial Corp	0.01%
Ceridian Hcm Holding Inc	0.01%
Rockwool International B	0.01%
Twitter Inc	0.01%
Baoshan Iron & Steel Ltd A	0.01%
Sirius Xm Holdings Inc	0.01%
Obayashi Corp	0.01%
Raia Drogasil Sa	0.01%
Bank Of Ningbo Ltd A	0.01%
Salmar	0.01%
Nippon Express Holdings Inc	0.01%
Ping An Bank Ltd A	0.01%
Nomura Real Estate Holdings Inc	0.01%
Bank Of Hawaii Corp	0.01%
Arca Continental	0.01%
Block Inc Class A	0.01%
Amplifon	0.01%
Samsung Life Ltd	0.01%
Swire Properties Ltd	0.01%
Kajima Corp	0.01%
Ganfeng Lithium Ltd H	0.01%
Electrolux Class B	0.01%
Walker & Dunlop Inc	0.01%
First Hawaiian Inc	0.01%
Biomerieux SA	0.01%
Solaria Energia Y Medio Ambiente S	0.01%
BMW Pref AG	0.01%
Gree Electric Appliances Inc Of Zh	0.01%
Bank Of Communications Ltd A	0.01%
Lojas Renner SA	0.01%
Eastern Bankshares Inc	0.01%
Avalara Inc	0.01%
Unity Software Inc	0.01%
Kghm Polska Miedz Sa	0.01%
Covivio SA	0.01%
Sprout Social Inc Class A	0.01%
Grupo Televisa	0.01%
Wartsila	0.01%
Accor SA	0.01%
Coca Cola HBC AG	0.01%
Shanxi Xinghuacun Fen Wine Factory	0.01%
Arcadis Nv	0.01%
China Conch Venture Holdings Ltd	0.01%
Cyber Agent Inc	0.01%
Sailpoint Technologies Holdings In	0.01%
Signature Bank	0.01%
Wanhua Chemical Group Ltd A	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Pacific Premier Bancorp Inc	0.01%
Sunpower Corp	0.01%
Dieteren (D) Sa	0.01%
Clarivate Plc	0.01%
Pacwest Bancorp	0.01%
Altair Engineering Inc Class A	0.01%
Telefonica Brasil SA	0.01%
Cathay General Bancorp	0.01%
Merdeka Copper Gold	0.01%
Metso Outotec Corp	0.01%
Novanta Inc	0.01%
Genscript Biotech Corp	0.01%
Kimberly-Clark De Mexico Class A	0.01%
Array Technologies Inc	0.01%
Jm Smucker	0.01%
Mitsui Chemicals Inc	0.01%
Hilltop Holdings Inc	0.01%
Ivanhoe Mines Ltd Class A	0.01%
Vonage Holdings Corp	0.01%
Live Oak Bancshares Inc	0.01%
Alteryx Inc Class A	0.01%
Wienerberger Ag	0.01%
Telefonica Deutschland Holding AG	0.01%
Central Pattana Non-Voting Dr Pcl	0.01%
Bank Of Ireland Group Plc	0.01%
Amorepacific Corp	0.01%
Flat Glass Group Ltd H	0.01%
Xinjiang Goldwind Science And Tech	0.01%
RHB Bank	0.01%
Silvergate Capital Class A Corp	0.01%
Atlantic Union Bankshares Corp	0.01%
China Longyuan Power Group Corp Lt	0.01%
Dolby Laboratories Inc Class A	0.01%
Hitachi Construction Machinery Ltd	0.01%
Tingyi (Cayman Islands) Holdings	0.01%
Mandiant Inc	0.01%
Inner Mongolia Yili Industrial Group Co. Ltd	0.01%
Keio Corp	0.01%
Holmen Class B	0.01%
Kobayashi Pharmaceutical Ltd	0.01%
Boe Technology Group Ltd A	0.01%
Muyuan Foods Ltd A	0.01%
Ipg Photonics Corp	0.01%
Klabin Units SA	0.01%
Kuala Lumpur Kepong	0.01%
Independent Bank Corp	0.01%
Swire Pacific Ltd A	0.01%
Hoshizaki Corp	0.01%
Yunnan Baiyao Group Ltd A	0.01%
Kalbe Farma	0.01%
Flutter Entertainment Plc	0.01%
S.F. Holding Ltd A	0.01%
Triumph Bancorp Inc	0.01%
Indorama Ventures Non-Voting Dr Pc	0.01%
Abn Amro Bank Nv	0.01%
On Semiconductor Corp	0.01%
Dino Polska Sa	0.01%
Korean Air Lines Ltd	0.01%
Canadian Apartment Properties REIT	0.01%
International Bancshares Corp	0.01%
Zhangzhou Pientzehuang Pharmaceuti	0.01%
Greentown Service Group Ltd	0.01%
Gartner Inc	0.01%
Minor International Public Non Voting	0.01%
Washington Federal Inc	0.01%
Nmi Holdings Inc Class A	0.01%
Charoen Pokphand Foods Non-Voting	0.01%
Axos Financial Inc	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Pop Mart International Group	0.01%
Independent Bank Group Inc	0.01%
Ibiden Ltd	0.01%
Alibaba Health Information Tech Ltd	0.01%
PPB Group	0.01%
Hellenic Telecommunications Organization SA	0.01%
Corning Inc	0.01%
Ncr Corp	0.01%
Gedeon Richter	0.01%
Simmons First National Corp Class	0.01%
Axiata Group	0.01%
Shandong Weigao Group Medical PlyPolymer Co. Ltd	0.01%
Foshan Hai Tian Flavouring & Food	0.01%
Nestle Malaysia	0.01%
TIM SA	0.01%
Cia Energetica De Minas Gerais	0.01%
Jiangsu Yanghe Brewery Joint-Stock	0.01%
Aier Eye Hospital Group Ltd A	0.01%
Shimizu Corp	0.01%
Byd Ltd H	0.01%
Tongcheng Travel Holdings Ltd	0.01%
Hypermarcas Sa	0.01%
Smartsheet Inc Class A	0.01%
Ballard Power Systems Inc	0.01%
Community Bank System Inc	0.01%
Vinda International Ltd	0.01%
Poly Developments And Holdings Gro	0.01%
Chongqing Changan Automobile Ltd A	0.01%
Integra Lifesciences Holdings Corp	0.01%
Coway Ltd	0.01%
S.F. Holding Ltd	0.01%
Boralex Inc Class A	0.01%
Fluidra Sa	0.01%
Coca-Cola Femsa Class UBL Units	0.01%
Qualys Inc	0.01%
Ringcentral Inc Class A	0.01%
Husqvarna	0.01%
Largan Precision Ltd	0.01%
Coupa Software Inc	0.01%
Kornit Digital Ltd	0.01%
Sweco Class B	0.01%
Banco Bpm	0.01%
China Three Gorges Renewables	0.01%
Sps Commerce Inc	0.01%
AMMB Holdings	0.01%
Onto Innovation Inc	0.01%
Fuelcell Energy Inc	0.01%
Shanghai Pudong Development Bank L	0.01%
Shanghai M&G Stationery Inc A	0.01%
Bkw N Ag	0.01%
Smith And Nephew Plc	0.01%
LG Display Ltd	0.01%
Turkiye Sise Ve Cam Fabrikalari A	0.01%
Match Group Inc	0.01%
China State Construction Engineeri	0.01%
Banco De Sabadell Sa	0.01%
Hyundai Glovis Ltd	0.01%
Darling Ingredients Inc	0.01%
Spectris Plc	0.01%
Agricultural Bank Of China Ltd A	0.01%
China Minsheng Banking Corp Ltd A	0.01%
Rapid7 Inc	0.01%
Zte Corp A	0.01%
Catalent Inc	0.01%
Toyo Suisan Ltd	0.01%
Hulic Ltd	0.01%
Aviva Plc	0.01%
Posco Chemical Ltd	0.01%

Asset Class & Holdings	% of fund net assets
Ito En Ltd	0.01%
Postal Savings Bank Of China Ltd	0.01%
John Bean Technologies Corp	0.01%
Bank Of Jiangsu Corporation Ltd A	0.01%
Hyundai Engineering & Construction	0.01%
Box Inc Class A	0.01%
Companhia Concessoes Rodoviarias SA	0.01%
Iflytek Ltd A	0.01%
Cgi Inc	0.01%
Saic Motor Corp Ltd A	0.01%
Energy Absolute Non-Voting Dr Pcl	0.01%
Cdw Corp	0.01%
Wan Hai Lines Ltd	0.01%
Globus Medical Inc Class A	0.01%
Scatec Solar	0.01%
Korea Zinc Inc	0.01%
Sany Heavy Industry Ltd A	0.01%
Hansoh Pharmaceutical Group Ltd	0.01%
Eva Airways Corp	0.01%
Bumrungrad Hospital Non-Voting	0.01%
Cs Wind Corp	0.01%
Welcia Holdings Ltd	0.01%
Bankinter Sa	0.01%
Penumbra Inc	0.01%
Grab Holdings Ltd Class	0.01%
Verbio Vereinigte Bioenergie Ag	0.01%
Haitong Securities Ltd Class A	0.01%
Scg Packaging Pcl Non-Voting Dr	0.01%
Totvs Sa	0.01%
Creditors	-2.38%
Total	61.12%
Alternatives	
The Maui Capital Aqua Fund	0.41%
The Maui Capital Indigo Fund	0.13%
Pencarrow IV Investment	0.02%
Total	0.56%
Grand Total	**100.00%**

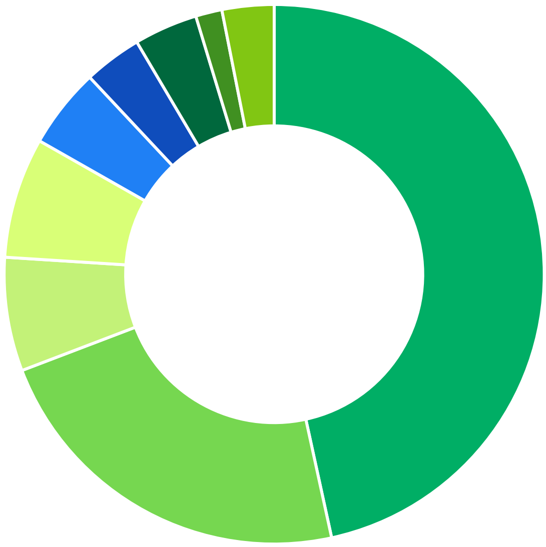
MAS KiwiSaver Scheme

Growth Fund Holdings

As at 30 June 2022

Asset Class & Holdings Region	% Portfolio
Cash and cash equivalents	
New Zealand	3.35%
Other	0.38%
Total	3.73%
New Zealand fixed interest	
New Zealand	4.58%
Total	4.58%
International fixed interest	
North America	6.64%
Japan	1.56%
Europe	1.62%
United Kingdom	1.20%
Emerging Markets	0.41%
Europe - Non EMU	0.17%
New Zealand	0.01%
Australia	-0.06%
Other Countries	0.51%
Total	12.04%
Australasian equities	
New Zealand	17.17%
Australia	7.40%
Total	24.57%
International equities	
North America	39.71%
Europe	5.17%
Japan	3.19%
Emerging Markets	3.03%
United Kingdom	2.59%
Europe - Non EMU	1.39%
Australia	-0.06%
New Zealand	-2.95%
Other Countries	2.56%
Total	54.63%
Alternatives	
New Zealand	0.45%
Total	0.45%
Grand Total	**100%**

Regional Asset Class Allocation



Notes:

1. Fund holdings are current as at 30 June 2022. Future holdings may be different from those stated. Investments are managed in accordance with the MAS KiwiSaver Scheme's SIPO, available on the MAS website at **mas.co.nz/Kiwisaver**

2. For holdings by region:
   a. 'Other countries' includes any other region not named.
   b. For Cash and cash equivalents, regions other than New Zealand have been grouped as 'Other'.
   c. EMU is the European Economic and Monetary Union.
   d. All holdings have been rounded to 2 decimal places, so the sum of holdings may not always total to 100.00%.

3. For full holdings:
   a. Holdings less than 0.01% have been grouped as 'Other'.

4. Creditors are shown as negative holdings, which may include any currency hedging positions in place for the Fund.

5. Medical Funds Management Limited is the issuer of the MAS KiwiSaver Scheme. The PDS for the MAS KiwiSaver Scheme is available on the MAS website at **mas.co.nz/kiwisaver**

Asset Class & Holdings	% of fund net assets
Cash and cash equivalents	
JBWere Premium Custody Call Account - NZD	3.05%
USD Cash	0.22%
WSTP Term Deposit 1.600% 26/08/2021 26/08/2022	0.15%
RABOBK Term Deposit 1.550% 01/09/2021 01/09/2022	0.15%
CCB Term Deposit 3.7% 17/06/2022 19/06/2023	0.15%
WSTP Term Deposit 1.530% 02/08/2021 02/08/2022	0.12%
Debtors	0.06%
JPY Cash	0.04%
WSTP Term Deposit 2.620% 15/02/2022 15/02/2023	0.03%
AUD Cash	0.03%
HKD Cash	0.03%
TWD Cash	0.02%
GBP Cash	0.02%
CAD Cash	0.02%
EUR Cash	0.01%
MXN Cash	0.01%
NOK Cash	0.01%
CHF Cash	0.01%
DKK Cash	0.01%
Creditors	-0.41%
Total	3.73%
New Zealand fixed interest	
BNZ 4.985% 07/06/2027	0.88%
Vector Ltd 4.996% 14/03/2024	0.48%
Chorus Ltd 4.35% 06/12/2028	0.46%
NZ Govt 1.5% 15/05/2031	0.44%
Westpac NZ 3.696% 16/02/27	0.44%
ASB 5.524% 21/06/2027	0.30%
AIANZ 3.29% 17/11/2026	0.23%
WSTP 1.439% 02/24/26	0.22%
ANZNZ 2.999% 17/09/2031	0.20%
ANZNZ 3.03% 20/03/2024	0.19%
IFTNZ 3.50% 15/12/2029	0.18%
Quayside Holding (QHLNZ) 10% Series	0.13%
BNZ 2.16% 29/01/2025	0.13%
AIANZ 3.51% 10/10/2024	0.09%
ASBBNK 1.646% 04/05/2026	0.05%
CHURC 3.01% 05/11/2026	0.04%
KIWI 2.635% 05/10/2026	0.04%
ASBBNK 1.83% 08/19/2024	0.03%
CHURC 3.58% 27/11/2024	0.03%
WSTP 2.083% 20/02/2025	0.03%
Total	4.58%
International fixed interest	
Hunter Global Fixed Interest Fund	12.04%
Total	12.04%
Australasian equities	
Infratil Ltd	2.71%
Fisher & Paykel Healthcare Ltd	1.86%
Meridian Energy Limited	1.58%
Mainfreight Ltd	1.53%
Ebos Group Ltd	1.22%
Spark New Zealand Ltd	1.15%
Auckland International Airport Ltd	1.09%
National Australia Bank Ltd	1.03%
Fletcher Building Ltd	1.03%
CSL Limited	0.84%
NEXTDC Ltd	0.83%
A2 Milk Company Ltd	0.82%
Macquarie Group Ltd	0.77%
Mercury NZ Limited	0.71%
Chorus Ltd	0.70%
Telstra Corp Ltd	0.62%
Coles Group Ltd	0.59%
Ramsay Health Care Ltd	0.57%

Asset Class & Holdings	% of fund net assets
Australasian equities (continued)	
News Corp-CDI Class B	0.52%
Port of Tauranga Ltd	0.52%
Resmed Inc	0.51%
Summerset Group Holdings Ltd	0.48%
Freightways Ltd	0.43%
Block Inc - CDI	0.39%
Ryman Healthcare Ltd	0.39%
Oceania Healthcare Limited	0.39%
Xero Ltd	0.32%
Allkem Ltd	0.27%
Investore Property Limited	0.23%
Pushpay Holdings Ltd	0.19%
Wesfarmers Limited	0.14%
Stride Property Ltd and Stride Invest Mgmt Ltd	0.13%
Total	24.57%
International equities	
Microsoft Corp	3.52%
Alphabet Inc Class A	1.24%
Alphabet Inc Class C	1.17%
Tesla Inc	1.02%
Nvidia Corp	0.76%
Procter & Gamble	0.75%
Taiwan Semiconductor Manufacturing Co. Ltd	0.68%
Visa Inc Class A	0.64%
Thermo Fisher Scientific Inc	0.63%
Coca-Cola	0.57%
Abbvie Inc	0.56%
Eli Lilly	0.55%
Mastercard Inc Class A	0.54%
Pepsico Inc	0.51%
Home Depot Inc	0.50%
Tencent Holdings Ltd	0.49%
Adobe Inc	0.48%
Salesforce Inc	0.45%
Astrazeneca Plc	0.42%
Hsbc Holdings Plc	0.41%
Roche Holding Par AG	0.41%
Alibaba Group Holding Ltd	0.37%
Verizon Communications Inc	0.37%
Cisco Systems Inc	0.35%
Accenture Plc Class A	0.35%
ASML Holding NV	0.34%
Danaher Corp	0.34%
Novo Nordisk Class B	0.32%
Intel Corporation Corp	0.31%
Intuit Inc	0.31%
Walt Disney	0.30%
Servicenow Inc	0.30%
Amgen Inc	0.29%
Toyota Motor Corp	0.28%
Linde Plc	0.28%
Texas Instrument Inc	0.28%
International Business Machines Co	0.28%
Abbott Laboratories	0.26%
Unilever Plc	0.24%
S&P Global Inc	0.23%
United Parcel Service Inc Class B	0.23%
Elevance Health Inc	0.23%
Apple Inc	0.23%
Lowes Companies Inc	0.23%
Aia Group Ltd	0.23%
Nike Inc Class B	0.23%
Becton Dickinson	0.22%
Toronto Dominion	0.21%
American Tower Reit Corp	0.20%
Automatic Data Processing Inc	0.20%
Caterpillar Inc	0.19%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Sony Group Corp	0.18%
Sap	0.18%
Meituan	0.18%
Colgate-Palmolive	0.17%
Edwards Lifesciences Corp	0.17%
Morgan Stanley	0.17%
Amazon Com Inc	0.17%
Chubb Ltd	0.17%
Medtronic Plc	0.17%
Cigna Corp	0.17%
Zoetis Inc Class A	0.16%
BlackRock Inc	0.16%
Charles Schwab Corp	0.16%
Kimberly Clark Corp	0.16%
Applied Material Inc	0.16%
American Express	0.15%
Gilead Sciences Inc	0.15%
Deere	0.15%
Starbucks Corp	0.15%
Vertex Pharmaceuticals Inc	0.15%
Prologis REIT Inc	0.15%
Bnp Paribas Sa	0.15%
Johnson & Johnson	0.14%
Loreal SA	0.14%
Sika Ag	0.14%
Regeneron Pharmaceuticals Inc	0.14%
Allianz	0.14%
Target Corp	0.14%
Marsh & McLennan Inc	0.13%
Synopsys Inc	0.13%
Oracle Corp	0.13%
CME Group Inc Class A	0.13%
Vinci Sa	0.13%
Crown Castle International Reit Co	0.12%
Booking Holdings Inc	0.12%
Pnc Financial Services Group Inc	0.12%
Bank Of Nova Scotia	0.12%
Illinois Tool Inc	0.12%
Autodesk Inc	0.12%
Unitedhealth Group Inc	0.12%
Crh Plc	0.12%
Lair Liquide Societe Anonyme Pour	0.12%
Progressive Corp	0.12%
Lam Research Corp	0.12%
Sherwin Williams	0.12%
Cadence Design Systems Inc	0.12%
Truist Financial Corp	0.12%
TJX Inc	0.12%
Humana Inc	0.12%
Lloyds Banking Group Plc	0.11%
China Construction Bank Corp H	0.11%
Waste Management Inc	0.11%
Schneider Electric	0.11%
Relx Plc	0.11%
Vestas Wind Systems	0.11%
CSX Corp	0.11%
Reckitt Benckiser Group Plc	0.11%
Bank Of Montreal	0.11%
Baxter International Inc	0.11%
Ing Groep Nv	0.11%
Estee Lauder Inc Class	0.10%
Equinix Reit Inc	0.10%
Electronic Arts Inc	0.10%
Aon Plc Class A	0.10%
Centene Corp	0.10%
General Mills Inc	0.10%
Roper Technologies Inc	0.10%
Compagnie Financiere Richemont SA	0.10%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Prosus NV	0.09%
Idexx Laboratories Inc	0.09%
Ecolab Inc	0.09%
Norfolk Southern Corp	0.09%
Intercontinental Exchange Inc	0.09%
Dexcom Inc	0.09%
Meta Platforms Inc Class A	0.09%
Intesa Sanpaolo	0.09%
KDDI Corp	0.09%
Vodafone Group Plc	0.09%
Eaton Plc	0.09%
Banco Bilbao Vizcaya Argentaria Sa	0.09%
Tokyo Electron Ltd	0.09%
Aflac Inc	0.08%
Enphase Energy Inc	0.08%
Nintendo Ltd	0.08%
Nordea Bank	0.08%
Newmont	0.08%
Daiichi Sankyo Ltd	0.08%
Iqvia Holdings Inc	0.08%
Hca Healthcare Inc	0.08%
Hitachi Ltd	0.08%
Axa SA	0.08%
Nxp Semiconductors Nv	0.08%
Compass Group Plc	0.08%
Moodys Corp	0.08%
Intuitive Surgical Inc	0.08%
Canadian Imperial Bank of Commerce	0.08%
ABB Ltd	0.08%
Geberit Ag	0.07%
Nutrien Ltd	0.07%
Essilorluxottica SA	0.07%
Ansys Inc	0.07%
Church And Dwight Inc	0.07%
Vmware Class A Inc	0.07%
Baidu Class A Inc	0.07%
Recruit Holdings Ltd	0.07%
Pfizer Inc	0.07%
Travelers Companies Inc	0.07%
Activision Blizzard Inc	0.07%
Agilent Technologies Inc	0.07%
Prudential Plc	0.07%
Motorola Solutions Inc	0.07%
Mccormick & Co Non-Voting Inc	0.07%
Ppg Industries Inc	0.07%
DBS Group Holdings Ltd	0.07%
Daikin Industries Ltd	0.07%
Lonza Group AG	0.07%
Solaredge Technologies Inc	0.07%
T Rowe Price Group Inc	0.07%
Hp Inc	0.07%
SK Hynix Inc	0.07%
West Pharmaceutical Services Inc	0.07%
Kering SA	0.07%
Netease Inc	0.07%
Fanuc Corp	0.07%
Boston Scientific Corp	0.07%
Nucor Corp	0.07%
Hormel Foods Corp	0.07%
Ww Grainger Inc	0.06%
Prudential Financial Inc	0.06%
Stryker Corp	0.06%
Cvs Health Corp	0.06%
Steris	0.06%
Welltower Inc	0.06%
Clorox	0.06%
Bank Of New York Mellon Corp	0.06%
Danone SA	0.06%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Shopify Subordinate Voting Inc Class A	0.06%
M&T Bank Corp	0.06%
Biogen Inc	0.06%
Johnson Controls International Plc	0.06%
Amcor Plc	0.06%
Sba Communications Reit Corp	0.06%
Allstate Corp	0.06%
Arthur J Gallagher	0.06%
MediaTek Inc	0.06%
Genuine Parts	0.06%
China Merchants Bank Ltd	0.06%
Illumina Inc	0.06%
Lululemon Athletica Inc	0.06%
Holcim Ltd Ag	0.06%
Keurig Dr Pepper Inc	0.06%
Merck & Co Inc	0.06%
Palo Alto Networks Inc	0.06%
Byd Ltd	0.06%
Deutsche Boerse AG	0.06%
Hoya Corp	0.06%
Hilton Worldwide Holdings Inc	0.06%
Wuxi Biologics Cayman Inc	0.06%
Rockwell Automation Inc	0.06%
Givaudan SA	0.05%
Splunk Inc	0.05%
Waste Connections Inc	0.05%
Itochu Corp	0.05%
Mettler Toledo Inc	0.05%
SoftBank Corp	0.05%
Amerisourcebergen Corp	0.05%
International Flavors & Fragrances	0.05%
Compagnie De Saint Gobain Sa	0.05%
Cincinnati Financial Corp	0.05%
Dover Corp	0.05%
Qualcomm Inc	0.05%
Carrier Global Corp	0.05%
Daiwa House Industry Ltd	0.05%
Hologic Inc	0.05%
First Republic Bank	0.05%
Adidas N AG	0.05%
Murata Manufacturing Ltd	0.05%
Trane Technologies Plc	0.05%
Warner Bros. Discovery Inc	0.05%
Paccar Inc	0.05%
Otis Worldwide Corp	0.05%
Astellas Pharma Inc	0.05%
Cardinal Health Inc	0.05%
East Japan Railway	0.05%
Banco Santander Sa	0.05%
Keysight Technologies Inc	0.05%
Plug Power Inc	0.05%
Verisk Analytics Inc	0.05%
Take Two Interactive Software Inc	0.05%
Fast Retailing Ltd	0.05%
Assa Abloy B	0.05%
Svb Financial Group	0.05%
MercadoLibre Inc	0.05%
Societe Generale Sa	0.05%
Republic Services Inc	0.05%
Advanced Micro Devices Inc	0.05%
Fastenal	0.05%
American Water Works Inc	0.05%
Fortive Corp	0.05%
Vf Corp	0.05%
Broadcom Inc	0.05%
Ebay Inc	0.05%
Cummins Inc	0.05%
Ameriprise Finance Inc	0.05%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Koninklijke Ahold Delhaize NV	0.05%
Nibe Industrier Class B	0.05%
Sysco Corp	0.05%
Wolters Kluwer NV	0.05%
Bank Central Asia	0.05%
Insulet Corp	0.05%
Discover Financial Services	0.04%
KKR and Co Inc	0.04%
Dnb Bank	0.04%
Laboratory Corporation Of America	0.04%
Fortinet Inc	0.04%
Sse Plc	0.04%
Aptiv Plc	0.04%
Northern Trust Corp	0.04%
Old Dominion Freight Line	0.04%
Essity Class B	0.04%
CBRE Group Inc Class A	0.04%
Citrix Systems Inc	0.04%
Ferguson Plc	0.04%
Atlas Copco Class A	0.04%
BMW AG	0.04%
Ross Stores Inc	0.04%
Umicore Sa	0.04%
Orange SA	0.04%
Industria De Diseno Textil Inditex	0.04%
Swiss Re AG	0.04%
Fujitsu Ltd	0.04%
Barclays Plc	0.04%
Open Text Corp	0.04%
Bristol Myers Squibb	0.04%
Li Auto Adr Inc	0.04%
Archer Daniels Midland	0.04%
Weyerhaeuser REIT	0.04%
Koninkilijke Dsm NV	0.04%
Kellogg	0.04%
Crowdstrike Holdings Inc Class A	0.04%
Intact Financial Corp	0.04%
Wh Group Ltd	0.04%
Naver Corp	0.04%
Samsung SDI Ltd	0.04%
Copart Inc	0.04%
D R Horton Inc	0.04%
Citizens Financial Group Inc	0.04%
Tractor Supply	0.04%
State Street Corp	0.04%
Ball Corp	0.04%
Kbc Groep	0.04%
Hubspot Inc	0.04%
Assa Abloy AB	0.04%
United Overseas Bank Ltd	0.04%
Pentair	0.04%
Contemporary Amperex Technology Lt	0.04%
Kingspan Group Plc	0.04%
Regions Financial Corp	0.04%
Willis Towers Watson Plc	0.04%
Merck	0.04%
Yum China Holdings Inc	0.04%
Ashtead Group Plc	0.04%
Huntington Bancshares Inc	0.04%
Legal And General Group Plc	0.04%
Sampo	0.04%
Abiomed Inc	0.04%
Chocoladefabriken Lindt & Spruengli AG	0.04%
Franklin Resources Inc	0.04%
Hartford Financial Services Group	0.04%
Teleflex Inc	0.04%
Ericsson B	0.04%
National Bank Of Canada	0.04%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
A O Smith Corp	0.04%
West Fraser Timber Ltd	0.04%
Keycorp	0.04%
Terumo Corp	0.04%
Agnico Eagle Mines Ltd	0.04%
Ulta Beauty Inc	0.04%
Nortonlifelock Inc	0.04%
China Mengniu Dairy Ltd	0.04%
Fujifilm Holdings Corp	0.04%
Ventas Reit Inc	0.04%
Gsk	0.04%
Perkinelmer Inc	0.03%
Genmab	0.03%
Eiffage Sa	0.03%
Kao Corp	0.03%
Align Technology Inc	0.03%
Brown Forman Corp Class B	0.03%
Walgreen Boots Alliance Inc	0.03%
Komatsu Ltd	0.03%
Hewlett Packard Enterprise	0.03%
Xylem Inc	0.03%
A P Moller Maersk	0.03%
Compagnie Generale Des Etablisseme	0.03%
Orix Corp	0.03%
Horizon Therapeutics Public Plc	0.03%
Chugai Pharmaceutical Ltd	0.03%
Bouygues Sa	0.03%
Cooper Inc	0.03%
Mckesson Corp	0.03%
Conagra Brands Inc	0.03%
Legrand SA	0.03%
Novartis Ag	0.03%
Diageo Plc	0.03%
Dai-Ichi Life Holdings Inc	0.03%
Water Corp	0.03%
Catalent Inc	0.03%
Panasonic Holdings Corp	0.03%
Nasdaq Inc	0.03%
Xinyi Solar Holdings Ltd	0.03%
Bt Group Plc	0.03%
Ferrovial Sa	0.03%
Mosaic	0.03%
Kla Corp	0.03%
Quest Diagnostics Inc	0.03%
Workday Inc Class A	0.03%
Quanta Services Inc	0.03%
Molina Healthcare Inc	0.03%
Banco Bradesco Pref SA	0.03%
Martin Marietta Materials Inc	0.03%
Teleperformance	0.03%
Kakao Corp	0.03%
Link Real Estate Investment Trust	0.03%
Uni-President Enterprises Corp	0.03%
Sandvik	0.03%
Longi Green Energy Technology Ltd	0.03%
First Solar Inc	0.03%
Zimmer Biomet Holdings Inc	0.03%
United Rentals Inc	0.03%
Incyte Corp	0.03%
Thomson Reuters Corp	0.03%
Biomarin Pharmaceutical Inc	0.03%
Arch Capital Group Ltd	0.03%
Zebra Technologies Corp Class A	0.03%
Bunge Ltd	0.03%
Ingersoll Rand Inc	0.03%
Sonova Holding AG	0.03%
Shiseido Ltd	0.03%
Alnylam Pharmaceuticals Inc	0.03%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Raymond James Inc	0.03%
Wheaton Precious Metals Corp	0.03%
Dollarama Inc	0.03%
Datadog Inc Class A	0.03%
Veolia Environ. SA	0.03%
Albemarle Corp	0.03%
Magna International Inc	0.03%
Omron Corp	0.03%
United Micro Electronics Corp	0.03%
Mondelez International Inc Class A	0.03%
Principal Financial Group Inc	0.03%
Bio Techne Corp	0.03%
Transunion	0.03%
Waters Corp	0.03%
Segro Reit Plc	0.03%
Zoom Video Communications Inc Clas	0.03%
China Resources Land Ltd	0.03%
Heidelbergcement Ag	0.03%
Lpl Financial Holdings Inc	0.03%
Rogers Communications Non-Voting I	0.03%
International Paper	0.03%
Mitsubishi Estate Co Ltd	0.03%
Air Products And Chemicals Inc	0.03%
Trimble Inc	0.03%
Chubu Electric Power Inc	0.03%
Mcdonalds Corp	0.03%
Unicharm Corp	0.03%
Kerry Group Plc	0.03%
Pearson Plc	0.03%
Expeditors International Of Washington Inc	0.03%
Expeditors International Of Washin	0.03%
Shionogi Ltd	0.03%
Ptc Inc	0.03%
WR Berkley Corp	0.03%
FactSet Research Systems Inc	0.03%
Synchrony Financial	0.03%
Standard Chartered Plc	0.03%
Byd Ltd A	0.03%
Pool Corp	0.03%
Fubon Financial Holding Ltd	0.03%
Healthpeak Properties Inc	0.03%
Xpeng Adr Representing Inc	0.03%
Symrise AG	0.03%
Realty Income Reit Corp	0.03%
Upm-Kymmene	0.03%
Cognex Corp	0.03%
Zendesk Inc	0.03%
SGS SA	0.03%
Kubota Corp	0.03%
Cintas Corp	0.03%
Chunghwa Telecom Ltd	0.03%
China Yangtze Power Ltd A	0.03%
CTBC Financial Holding Ltd	0.02%
Swiss Life Holding AG	0.02%
Sunrun Inc	0.02%
Power Corporation Of Canada	0.02%
KB Financial Group Inc	0.02%
Boston Properties Reit Inc	0.02%
Wpp Plc	0.02%
Coloplast B	0.02%
Generac Holdings Inc	0.02%
Straumann Holding AG	0.02%
Dominos Pizza Inc	0.02%
Yaskawa Electric Corp	0.02%
Singapore Telecommunications Ltd	0.02%
3M	0.02%
Marubeni Corp	0.02%
Best Buy Inc	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Shinhan Financial Group Ltd	0.02%
Edp Renovaveis Sa	0.02%
Grupo Finance Banorte	0.02%
Delta Electronics Inc	0.02%
Brown & Brown Inc	0.02%
CarMax Inc	0.02%
China Merchants Bank Ltd A	0.02%
Sompo Holdings Inc	0.02%
Glencore Plc	0.02%
Public Bank	0.02%
BOC Hong Kong Holdings Ltd	0.02%
Microchip Technology Inc	0.02%
TDK Corp	0.02%
Rentokil Initial Plc	0.02%
Booz Allen Hamilton Holding Corp C	0.02%
Ping An Insurance (Group) Of China	0.02%
Telekomunikasi Indonesia	0.02%
Jb Hunt Transport Services	0.02%
Novozymes B	0.02%
Kuehne und Nagel International AG	0.02%
Bank Leumi Le Israel	0.02%
Campbell Soup	0.02%
Atlas Copco Class B	0.02%
Hang Seng Bank Ltd	0.02%
NN Group NV	0.02%
E.Sun Financial Holding Ltd	0.02%
MS&AD Insurance Group Holdings Inc	0.02%
Unicredit	0.02%
Cathay Financial Holding Ltd	0.02%
Idex Corp	0.02%
Howmet Aerospace Inc	0.02%
LKQ Corp	0.02%
Akzo Nobel NV	0.02%
Jazz Pharmaceuticals Plc	0.02%
Federal Realty Investment Trust Re	0.02%
Henry Schein Inc	0.02%
Nan Ya Plastics Corp	0.02%
Trade Desk Inc Class A	0.02%
United Utilities Group Plc	0.02%
Contemporary Amperex Technology Ltd	0.02%
China Overseas Land Investment Ltd	0.02%
Alleghany Corp	0.02%
CH Robinson Worldwide Inc	0.02%
Bunzl	0.02%
Fomento Economico Mexicano	0.02%
Croda International Plc	0.02%
Rio Tinto Plc	0.02%
Informa Plc	0.02%
Walmart Inc	0.02%
Mega Financial Holding Ltd	0.02%
Steel Dynamics Inc	0.02%
Celanese Corp	0.02%
Verbund Ag	0.02%
WSP Global Inc	0.02%
Commerzbank Ag	0.02%
Eisai Ltd	0.02%
AEON Ltd	0.02%
Essex Property Trust Reit Inc	0.02%
Cboe Global Markets Inc	0.02%
Nomura Holdings Inc	0.02%
Hasbro Inc	0.02%
Stanley Black & Decker Inc	0.02%
Svenska Cellulosa B	0.02%
Mtr Corporation Corp Ltd	0.02%
Snap Inc Class A	0.02%
Webster Financial Corp	0.02%
Metro Inc	0.02%
Nippon Yusen	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Terna Rete Elettrica Nazionale	0.02%
Mowi	0.02%
Natwest Group Plc	0.02%
Henkel & KGaA Pref AG	0.02%
CNH Industrial NV	0.02%
Masco Corp	0.02%
Interpublic Group Of Companies Inc	0.02%
Novocure Ltd	0.02%
Coca Cola European Partners Plc	0.02%
Telus Corp	0.02%
Westrock	0.02%
Paypal Holdings Inc	0.02%
China Steel Corp	0.02%
Nippon Steel Corp	0.02%
Ally Financial Inc	0.02%
Spirax-Sarco Engineering Plc	0.02%
Deutsche Bank Ag	0.02%
Next Plc	0.02%
Brenntag SE	0.02%
Advance Auto Parts Inc	0.02%
Netflix Inc	0.02%
Assurant Inc	0.02%
Intercontinental Hotels Group Plc	0.02%
First Financial Holding Ltd	0.02%
Pultegroup Inc	0.02%
Analog Devices Inc	0.02%
CP All Non-Voting Dr Pcl	0.02%
Nitto Denko Corp	0.02%
Publicis Groupe SA	0.02%
Smurfit Kappa Group Plc	0.02%
Intertek Group Plc	0.02%
Daifuku Ltd	0.02%
Mtu Aero Engines Holding Ag	0.02%
Daqo New Energy Adr Representing	0.02%
Sysmex Corp	0.02%
Ajinomoto Inc	0.02%
Koninklijke KPN NV	0.02%
Skandinaviska Enskilda Banken	0.02%
Siemens Gamesa Renewable Energy Sa	0.02%
Sekisui House Ltd	0.02%
Wuliangye Yibin Ltd A	0.02%
Snap On Inc	0.02%
Teradyne Inc	0.02%
Severn Trent Plc	0.02%
Epiroc Class A	0.02%
Carrefour SA	0.02%
Telia Company	0.02%
Saputo Inc	0.02%
Hanwha Solutions Corp	0.02%
Zoominfo Technologies Inc	0.02%
Acciona Sa	0.02%
Rohm Ltd	0.02%
Guidewire Software Inc	0.02%
Siam Cement Non-Voting Dr Pcl	0.02%
Corteva Inc	0.02%
Palantir Technologies Inc Class A	0.02%
CSPC Pharmaceutical Group Ltd	0.02%
Novo Nordisk Class B	0.02%
Cameco Corp	0.02%
Hana Financial Group Inc	0.02%
Burberry Group Plc	0.02%
Mondi Plc	0.02%
Allegion Plc	0.02%
WEG SA	0.02%
Snowflake Class A	0.02%
Sumitomo Mitsui Trust Holdings Inc	0.02%
Lumen Technologies Inc	0.02%
Dassault Systemes	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Ametek Inc	0.02%
Caixabank Sa	0.02%
Longfor Group Holdings Ltd	0.02%
Hennes & Mauritz	0.02%
St James Place Plc	0.02%
Tyler Technologies Inc	0.02%
Boliden	0.02%
West Japan Railway	0.02%
CapitaLand Integrated Commercial Trust	0.02%
BorgWarner Inc	0.02%
Paycom Software Inc	0.02%
Country Garden Services Holdings Co. Ltd	0.02%
Malayan Banking	0.02%
Monster Beverage Corp	0.02%
Constellation Brands Inc Class A	0.02%
Worldline Sa	0.02%
Chailease Holding Ltd	0.02%
Asahi Kasei Corp	0.02%
Cdk Global Inc	0.02%
Fortune Brands Home And Security Inc	0.02%
Annaly Capital Management Reit Inc	0.02%
Resona Holdings Inc	0.02%
Powszechna Kasa Oszczednosci Bank	0.02%
Sumitomo Metal Mining Ltd	0.02%
MarketAxess Holdings Inc	0.02%
George Weston Ltd	0.01%
Gea Group Ag	0.01%
Berkeley Group Holdings (The) Plc	0.01%
Ss And C Technologies Holdings Inc	0.01%
Chr Hansen Holding	0.01%
Taiwan Cooperative Financial Holdings	0.01%
Keyence Corp	0.01%
Bangkok Dusit Medical Services	0.01%
Norsk Hydro	0.01%
Persimmon Plc	0.01%
Skanska B	0.01%
Dentsply Sirona Inc	0.01%
Nomura Research Institute Ltd	0.01%
Hydro One Ltd	0.01%
Bio Rad Laboratories Inc Class A	0.01%
Anglo American Plc	0.01%
Micron Technology Inc	0.01%
Z Holdings Corp	0.01%
Beiersdorf AG	0.01%
Telenor	0.01%
Associated British Foods Plc	0.01%
Vail Resorts Inc	0.01%
Hershey Foods	0.01%
Burlington Stores Inc	0.01%
Credicorp Ltd	0.01%
Hexagon Class B	0.01%
Robert Half	0.01%
Sumitomo Realty & Development Ltd	0.01%
Neurocrine Biosciences Inc	0.01%
Lincoln National Corp	0.01%
Elisa	0.01%
Zscaler Inc	0.01%
Wuxi Apptec Ltd A	0.01%
Bureau Veritas SA	0.01%
Shimadzu Corp	0.01%
NTT Data Corp	0.01%
Digital Realty Trust Reit Inc	0.01%
Toray Industries Inc	0.01%
Acs Actividades De Construccion Y	0.01%
Svenska Handelsbanken-A Shs	0.01%
Airports Of Thailand Non-Voting Dr	0.01%
Elanco Animal Health Inc	0.01%
Stora Enso Class R	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Toto Ltd	0.01%
Newell Brands Inc	0.01%
Toyota Industries Corp	0.01%
Vivendi	0.01%
Rollins Inc	0.01%
Garmin Ltd	0.01%
Postal Savings Bank Of China Ltd A	0.01%
Credit Agricole Sa	0.01%
Fidelity National Information Serv	0.01%
Docusign Inc	0.01%
Lear Corp	0.01%
Western Union	0.01%
Red Electrica SA	0.01%
Brookfield Renewable Subordinate V	0.01%
Industrial Bank Ltd A	0.01%
Owens Corning	0.01%
Land Securities Group Reit Plc	0.01%
Leg Immobilien N	0.01%
Mitsubishi Chemical Group Corp	0.01%
Cable One Inc	0.01%
Sage Group Plc	0.01%
Knight-Swift Transportation Holdin	0.01%
Imcd Nv	0.01%
Kingfisher Plc	0.01%
Fiserv Inc	0.01%
China Vanke Ltd A	0.01%
Toromont Industries Ltd	0.01%
Taiwan Mobile Ltd	0.01%
Sungrow Power Supply Ltd A	0.01%
Yokogawa Electric Corp	0.01%
East Money Information Ltd A	0.01%
Lennox International Inc	0.01%
Swedbank	0.01%
Bill Com Holdings Inc	0.01%
Aspen Technology Inc	0.01%
Taiwan Cement Corp	0.01%
Prysmian	0.01%
Nippon Building Fund Reit Inc	0.01%
Tfi International Inc	0.01%
Alfa Laval	0.01%
Sensata Technologies Holding Plc	0.01%
Fair Isaac Corp	0.01%
Canadian Tire Ltd Class	0.01%
Puma	0.01%
Moderna Inc	0.01%
Asustek Computer Inc	0.01%
Shanghai Commercial Ltd	0.01%
Kesko Class B	0.01%
Voya Financial Inc	0.01%
Ritchie Bros Auctioneers Inc	0.01%
Antofagasta Plc	0.01%
Barratt Developments	0.01%
First Interstate Bancsystem Inc Cl	0.01%
Alstom Sa	0.01%
First Bancorp	0.01%
Advantest Corp	0.01%
Klepierre REIT SA	0.01%
Yakult Honsha Ltd	0.01%
Kikkoman Corp	0.01%
Unibail-Rodamco-Westfield Stapled Units	0.01%
Black Knight Inc	0.01%
Azbil Corp	0.01%
Hankyu Hanshin Holdings Inc	0.01%
London Stock Exchange Group Plc	0.01%
First Horizon Corp	0.01%
Solvay SA	0.01%
Popular Inc	0.01%
Carlyle Group Inc	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Tyson Foods Inc Class A	0.01%
Whitbread Plc	0.01%
Nidec Corp	0.01%
Vifor N . Linie Ag	0.01%
Exact Sciences Corp	0.01%
LG Electronics Inc	0.01%
Bloom Energy Class A Corp	0.01%
Renesas Electronics Corp	0.01%
CIMB Group Holdings	0.01%
Lenovo Group Ltd	0.01%
HKT Trust & HKT Ltd	0.01%
Kraft Heinz	0.01%
Umb Financial Corp	0.01%
Japan Real Estate Investment Trust	0.01%
Nissin Foods Holdings Ltd	0.01%
Yunnan Energy New Materials Ltd A	0.01%
Nippon Paint Holdings Ltd	0.01%
Sumitomo Chemical Ltd	0.01%
Citic Ltd	0.01%
Hotai Motor Ltd	0.01%
Tcl Zhonghuan Renewable Energy Tec	0.01%
Ormat Tech Inc	0.01%
Randstad Holding	0.01%
Pandora	0.01%
Prosperity Bancshares Inc	0.01%
Delivery Hero	0.01%
Sinopac Financial Holdings Ltd	0.01%
Elastic Nv	0.01%
Advanced Info Service Non-Voting D	0.01%
Nio American Depositary Shares Rep	0.01%
Essent Group Ltd	0.01%
Signify Nv	0.01%
Elia Group SA	0.01%
SKF B	0.01%
Zhejiang Huayou Cobalt Ltd A	0.01%
LG Corp	0.01%
Danske Bank	0.01%
United Bankshares Inc	0.01%
Ocado Group Plc	0.01%
Capitaland Investment Ltd	0.01%
Central Japan Railway	0.01%
Shanghai Fosun Pharmaceutical (Group) Co. Ltd	0.01%
Evergreen Marine Corp (Taiwan) Ltd	0.01%
China Vanke Ltd H	0.01%
Xiaomi Corp	0.01%
Adecco Group AG	0.01%
Esr Group Ltd	0.01%
Suntory Beverage & Food Ltd	0.01%
Yadea Group Holdings Ltd	0.01%
Nippon Prologis Reit Inc	0.01%
Henkel AG	0.01%
Meiji Holdings Ltd	0.01%
Commerce Bancshares Inc	0.01%
Zalando	0.01%
First Citizens Bancshares Inc Clas	0.01%
Ganfeng Lithium Ltd A	0.01%
Hellofresh	0.01%
Eqt	0.01%
President Chain Store Corp	0.01%
Mgic Investment Corp	0.01%
Temenos Ag	0.01%
Cemex CPO	0.01%
Orkla	0.01%
Southstate Corp	0.01%
Yamaha Corp	0.01%
Tokyu Corp	0.01%
China Tourism Group Duty Free Corp	0.01%
Inner Mongolia Yili Industrial Gro	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
China Everbright Environment Group	0.01%
Bank Pekao SA	0.01%
Gildan Activewear Inc	0.01%
Taisei Corp	0.01%
Us Bancorp	0.01%
Grupo Bimbo A	0.01%
Jpmorgan Chase & Co	0.01%
Wintrust Financial Corp	0.01%
Sun Hung Kai Properties Ltd	0.01%
Equitable Holdings Inc	0.01%
Lattice Semiconductor Corp	0.01%
Lixil Corp	0.01%
Hancock Whitney Corp	0.01%
Bank Ozk	0.01%
Taishin Financial Holding Ltd	0.01%
Glacier Bancorp Inc	0.01%
Teradata Corp	0.01%
Columbia Banking System Inc	0.01%
Tele2 B	0.01%
Citic Securities Ltd A	0.01%
Carl Zeiss Meditec AG	0.01%
Kingdee Intl. Software Group Ltd	0.01%
Flagstar Bancorp Inc	0.01%
Fnb Corp	0.01%
Ameris Bancorp	0.01%
Silicon Laboratories Inc	0.01%
Texas Capital Bancshares Inc	0.01%
Bankunited Inc	0.01%
Citigroup Inc	0.01%
Western Alliance	0.01%
Taylor Wimpey Plc	0.01%
Old National Bancorp	0.01%
East West Bancorp Inc	0.01%
First Financial Bankshares Inc	0.01%
Lg H & H Ltd	0.01%
Cullen Frost Bankers Inc	0.01%
FirstService Subordinate Voting Co	0.01%
Abrdn Plc	0.01%
Singapore Airlines Ltd	0.01%
Radian Group Inc	0.01%
Gerdau Pref Sa	0.01%
Belimo N Ag	0.01%
Localiza Rent A Car SA	0.01%
Erste Group Bank Ag	0.01%
Kurita Water Industries Ltd	0.01%
Orion Class B	0.01%
Amphenol Corp Class A	0.01%
Comerica Inc	0.01%
Hmm Ltd	0.01%
Kinross Gold Corp	0.01%
Airtac International Group	0.01%
Davita Inc	0.01%
Yang Ming Marine Transport Corp	0.01%
Invesco Ltd	0.01%
New York Community Bancorp Inc	0.01%
Kintetsu Group Holdings Ltd	0.01%
Jeronimo Martins SA	0.01%
Dynatrace Inc	0.01%
JFE Holdings Inc	0.01%
Eve Energy Ltd A	0.01%
Far Eastone Telecommunications Ltd	0.01%
Odakyu Electric Railway Ltd	0.01%
Lincoln Electric Holdings Inc	0.01%
Empire Ltd Class A	0.01%
Sino Land Ltd	0.01%
Want Want China Holdings	0.01%
Umpqua Holdings Corp	0.01%
Voltronic Power Technology Corp	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Yamaha Motor Ltd	0.01%
Experian Plc	0.01%
Woori Financial Group Inc	0.01%
Te Connectivity Ltd	0.01%
Marvell Technology Inc	0.01%
Manhattan Associates Inc	0.01%
Zions Bancorporation	0.01%
Sekisui Chemical Ltd	0.01%
Paychex Inc	0.01%
OTP Bank	0.01%
Pennymac Financial Services Inc	0.01%
Shopify Subordinate Voting Inc Cla	0.01%
Tesco Plc	0.01%
Lundin Mining Corp	0.01%
Associated Bancorp	0.01%
Dai Nippon Printing Ltd	0.01%
Minebea Mitsumi Inc	0.01%
Wuxi Apptec Ltd H	0.01%
Schroders Plc	0.01%
Cvb Financial Corp	0.01%
Mr Cooper Group Inc	0.01%
Masimo Corp	0.01%
Jiangsu Hengrui Medicine Ltd A	0.01%
Bank Of America Corp	0.01%
Yageo Corp	0.01%
Valley National	0.01%
Fulton Financial Corp	0.01%
Apollo Global Management Inc	0.01%
Banco Do Brasil SA	0.01%
Gecina SA	0.01%
Hirose Electric Ltd	0.01%
Cognizant Technology Solutions Cor	0.01%
United Community Banks Inc	0.01%
Bruker Corp	0.01%
Fifth Third Bancorp	0.01%
Pinnacle Financial Partners Inc	0.01%
Capcom Ltd	0.01%
Luxshare Precision Industry Ltd A	0.01%
Vonovia Se	0.01%
Synovus Financial Corp	0.01%
Rocket Companies Inc Class A	0.01%
Singapore Exchange Ltd	0.01%
Spie Sa	0.01%
Industrial And Commercial Bank Of	0.01%
Ncsoft Corp	0.01%
Ricoh Ltd	0.01%
Shenzhen Inovance Technology Ltd A	0.01%
Teladoc Health Inc	0.01%
Bentley Systems Inc Class B	0.01%
Vipshop Holdings Sponsored Ads Rep	0.01%
Wens Foodstuff Group Ltd	0.01%
Envista Holdings Corp	0.01%
Guangzhou R&F Properties Ltd H	0.01%
Tobu Railway Ltd	0.01%
Paylocity Holding Corp	0.01%
Shoals Technologies Group Inc Clas	0.01%
Valeo	0.01%
Hapvida Participacoes E Investimen	0.01%
Nexi	0.01%
Auo Corp	0.01%
Luzhou Lao Jiao Ltd A	0.01%
China Feihe Ltd	0.01%
Rivian Automotive Inc Class	0.01%
Banco Bradesco Sa	0.01%
British Land Reit Plc	0.01%
Press Metal Aluminium Holdings	0.01%
Clariant AG	0.01%
Evonik Industries Ag	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Sunnova Energy International Inc	0.01%
Sainsbury (J) Plc	0.01%
City Developments Ltd	0.01%
Home Bancshares Inc	0.01%
Unilever Indonesia	0.01%
Dropbox Inc Class A	0.01%
Ja Solar Technology Ltd A	0.01%
Global Payments Inc	0.01%
Finecobank Banca Fineco	0.01%
Shockwave Medical Inc	0.01%
Five9 Inc	0.01%
Amerco	0.01%
Equatorial Energia SA	0.01%
Rumo SA	0.01%
Shenzhen Mindray Bio-Medical Elect	0.01%
Shimao Group Holdings Ltd	0.01%
GN Store Nord	0.01%
JDE Peets Nv	0.01%
SG Holdings Ltd	0.01%
Beijing Enterprises Water Group Lt	0.01%
Bok Financial Corp	0.01%
Ceridian Hcm Holding Inc	0.01%
Rockwool International B	0.01%
Twitter Inc	0.01%
Baoshan Iron & Steel Ltd A	0.01%
Sirius Xm Holdings Inc	0.01%
Obayashi Corp	0.01%
Raia Drogasil Sa	0.01%
Bank Of Ningbo Ltd A	0.01%
Salmar	0.01%
Nippon Express Holdings Inc	0.01%
Ping An Bank Ltd A	0.01%
Nomura Real Estate Holdings Inc	0.01%
Bank Of Hawaii Corp	0.01%
Arca Continental	0.01%
Block Inc Class A	0.01%
Amplifon	0.01%
Samsung Life Ltd	0.01%
Swire Properties Ltd	0.01%
Kajima Corp	0.01%
Ganfeng Lithium Ltd H	0.01%
Electrolux Class B	0.01%
Walker & Dunlop Inc	0.01%
First Hawaiian Inc	0.01%
Biomerieux SA	0.01%
Solaria Energia Y Medio Ambiente S	0.01%
BMW Pref AG	0.01%
Gree Electric Appliances Inc Of Zh	0.01%
Bank Of Communications Ltd A	0.01%
Lojas Renner SA	0.01%
Eastern Bankshares Inc	0.01%
Avalara Inc	0.01%
Unity Software Inc	0.01%
Kghm Polska Miedz Sa	0.01%
Covivio SA	0.01%
Sprout Social Inc Class A	0.01%
Grupo Televisa	0.01%
Wartsila	0.01%
Accor SA	0.01%
Coca Cola HBC AG	0.01%
Shanxi Xinghuacun Fen Wine Factory	0.01%
Arcadis Nv	0.01%
China Conch Venture Holdings Ltd	0.01%
Cyber Agent Inc	0.01%
Sailpoint Technologies Holdings In	0.01%
Signature Bank	0.01%
Wanhua Chemical Group Ltd A	0.01%
Pacific Premier Bancorp Inc	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Sunpower Corp	0.01%
Dieteren (D) Sa	0.01%
Clarivate Plc	0.01%
Pacwest Bancorp	0.01%
Altair Engineering Inc Class A	0.01%
Telefonica Brasil SA	0.01%
Cathay General Bancorp	0.01%
Merdeka Copper Gold	0.01%
Metso Outotec Corp	0.01%
Novanta Inc	0.01%
Genscript Biotech Corp	0.01%
Kimberly-Clark De Mexico Class A	0.01%
Array Technologies Inc	0.01%
Jm Smucker	0.01%
Mitsui Chemicals Inc	0.01%
Hilltop Holdings Inc	0.01%
Ivanhoe Mines Ltd Class A	0.01%
Vonage Holdings Corp	0.01%
Live Oak Bancshares Inc	0.01%
Alteryx Inc Class A	0.01%
Wienerberger Ag	0.01%
Telefonica Deutschland Holding AG	0.01%
Central Pattana Non-Voting Dr Pcl	0.01%
Bank Of Ireland Group Plc	0.01%
Amorepacific Corp	0.01%
Flat Glass Group Ltd H	0.01%
Xinjiang Goldwind Science And Tech	0.01%
RHB Bank	0.01%
Silvergate Capital Class A Corp	0.01%
Atlantic Union Bankshares Corp	0.01%
China Longyuan Power Group Corp Lt	0.01%
Dolby Laboratories Inc Class A	0.01%
Hitachi Construction Machinery Ltd	0.01%
Tingyi (Cayman Islands) Holdings	0.01%
Mandiant Inc	0.01%
Inner Mongolia Yili Industrial Group Co. Ltd	0.01%
Keio Corp	0.01%
Holmen Class B	0.01%
Kobayashi Pharmaceutical Ltd	0.01%
Boe Technology Group Ltd A	0.01%
Muyuan Foods Ltd A	0.01%
Ipg Photonics Corp	0.01%
Klabin Units SA	0.01%
Kuala Lumpur Kepong	0.01%
Independent Bank Corp	0.01%
Swire Pacific Ltd A	0.01%
Hoshizaki Corp	0.01%
Yunnan Baiyao Group Ltd A	0.01%
Kalbe Farma	0.01%
Flutter Entertainment Plc	0.01%
S.F. Holding Ltd A	0.01%
Triumph Bancorp Inc	0.01%
Indorama Ventures Non-Voting Dr Pc	0.01%
Abn Amro Bank Nv	0.01%
On Semiconductor Corp	0.01%
Dino Polska Sa	0.01%
Korean Air Lines Ltd	0.01%
Canadian Apartment Properties REIT	0.01%
International Bancshares Corp	0.01%
Zhangzhou Pientzehuang Pharmaceuti	0.01%
Greentown Service Group Ltd	0.01%
Gartner Inc	0.01%
Minor International Public Non Voting	0.01%
Washington Federal Inc	0.01%
Nmi Holdings Inc Class A	0.01%
Charoen Pokphand Foods Non-Voting	0.01%
Axos Financial Inc	0.01%
Pop Mart International Group	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Independent Bank Group Inc	0.01%
Ibiden Ltd	0.01%
Alibaba Health Information Tech Ltd	0.01%
PPB Group	0.01%
Hellenic Telecommunications Organization SA	0.01%
Corning Inc	0.01%
Ncr Corp	0.01%
Gedeon Richter	0.01%
Simmons First National Corp Class	0.01%
Axiata Group	0.01%
Shandong Weigao Group Medical PlyPolymer Co. Ltd	0.01%
Foshan Hai Tian Flavouring & Food	0.01%
Nestle Malaysia	0.01%
TIM SA	0.01%
Cia Energetica De Minas Gerais	0.01%
Jiangsu Yanghe Brewery Joint-Stock	0.01%
Aier Eye Hospital Group Ltd A	0.01%
Shimizu Corp	0.01%
Byd Ltd H	0.01%
Tongcheng Travel Holdings Ltd	0.01%
Hypermarcas Sa	0.01%
Smartsheet Inc Class A	0.01%
Ballard Power Systems Inc	0.01%
Community Bank System Inc	0.01%
Vinda International Ltd	0.01%
Poly Developments And Holdings Gro	0.01%
Chongqing Changan Automobile Ltd A	0.01%
Integra Lifesciences Holdings Corp	0.01%
Coway Ltd	0.01%
S.F. Holding Ltd	0.01%
Boralex Inc Class A	0.01%
Fluidra Sa	0.01%
Coca-Cola Femsa Class UBL Units	0.01%
Qualys Inc	0.01%
Ringcentral Inc Class A	0.01%
Husqvarna	0.01%
Largan Precision Ltd	0.01%
Coupa Software Inc	0.01%
Kornit Digital Ltd	0.01%
Sweco Class B	0.01%
Creditors	-1.87%
Total	54.64%
Alternatives	
The Maui Capital Aqua Fund	0.42%
Pencarrow IV Investment	0.02%
Total	0.44%
Grand Total	**100%**

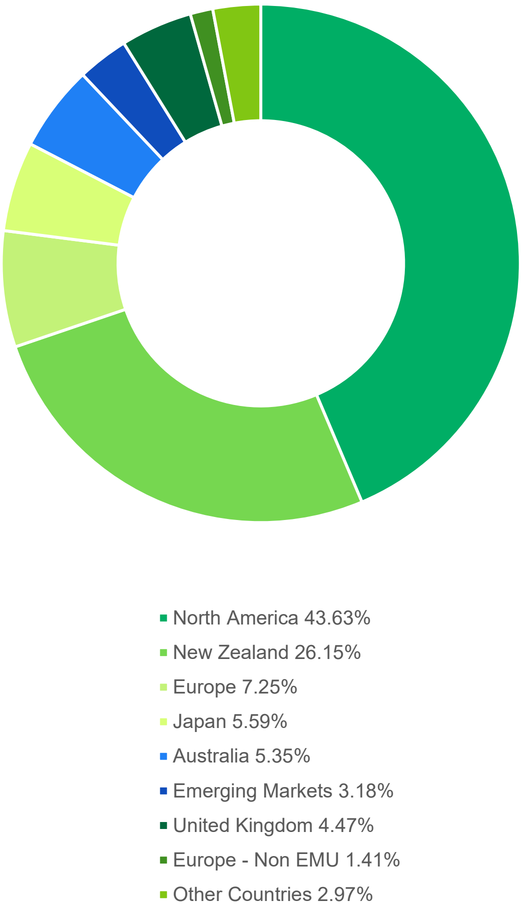
MAS KiwiSaver Scheme

Balanced Fund Holdings

As at 30 June 2022

Asset Class & Holdings Region	% Portfolio
Cash and cash equivalents	
New Zealand	5.99%
Other	0.25%
Total	6.24%
New Zealand fixed interest	
New Zealand	9.48%
Total	9.48%
International fixed interest	
North America	13.84%
Japan	3.24%
Europe	3.39%
United Kingdom	2.50%
Emerging Markets	0.84%
Europe - Non EMU	0.35%
New Zealand	0.02%
Australia	-0.13%
Other Countries	1.06%
Total	25.11%
Australasian equities	
New Zealand	12.86%
Australia	5.56%
Total	18.42%
International equities	
North America	29.61%
Europe	3.85%
Japan	2.32%
Emerging Markets	2.31%
United Kingdom	1.96%
Europe - Non EMU	1.05%
Australia	-0.04%
New Zealand	-2.20%
Other Countries	1.89%
Total	40.75%
Grand Total	**100%**

Regional Asset Class Allocation



Notes:

1. Fund holdings are current as at 30 June 2022. Future holdings may be different from those stated. Investments are managed in accordance with the MAS KiwiSaver Scheme's SIPO, available on the MAS website at **mas.co.nz/Kiwisaver**
2. For holdings by region:
   a. 'Other countries' includes any other region not named.
   b. For Cash and cash equivalents, regions other than New Zealand have been grouped as 'Other'.
   c. EMU is the European Economic and Monetary Union.
   d. All holdings have been rounded to 2 decimal places, so the sum of holdings may not always total to 100.00%.
3. For full holdings:
   a. Holdings less than 0.01% have been grouped as 'Other'.
4. Creditors are shown as negative holdings, which may include any currency hedging positions in place for the Fund.
5. Medical Funds Management Limited is the issuer of the MAS KiwiSaver Scheme. The PDS for the MAS KiwiSaver Scheme is available on the MAS website at **mas.co.nz/kiwisaver**

Asset Class & Holdings	% of fund net assets
Cash and cash equivalents	
JBWere Premium Custody Call Account - NZD	2.84%
Westpac On Term @ 1.420% 13/07/2022	0.61%
WSTP Term Deposit 1.600% 26/08/2021 26/08/2022	0.32%
RABOBK Term Deposit 1.550% 01/09/2021 01/09/2022	0.32%
CCB Term Deposit 3.7% 17/06/2022 19/06/2023	0.31%
BNZ On Term @ 1.86% 27/10/2022	0.28%
WSTP Term Deposit 1.530% 02/08/2021 02/08/2022	0.25%
Westpac On Term @ 1.550% 01/09/2022	0.24%
China Construction Bank On Term @ 3.4% 10/05/2023	0.19%
USD Cash	0.17%
ASB On Term @ 4.070% 28/06/2023	0.16%
ANZ On Term @ 1.800% 07/11/2022	0.14%
BNZ On Term @ 2.23% 28/12/2022	0.14%
Kiwibank On Term @ 3% 10/05/2023	0.14%
Kiwibank On Term @ 1.850% 02/08/2022	0.09%
ASBBNK Term Deposit 3.5% 13/06/2022 13/06/2023	0.09%
WSTP Term Deposit 2.620% 15/02/2022 15/02/2023	0.06%
Debtors	0.05%
JPY Cash	0.03%
AUD Cash	0.02%
HKD Cash	0.02%
TWD Cash	0.02%
GBP Cash	0.01%
CAD Cash	0.01%
EUR Cash	0.01%
MXN Cash	0.01%
NOK Cash	0.01%
Creditors	-0.31%
Total	6.24%
New Zealand fixed interest	
BNZ 4.985% 07/06/2027	1.83%
Vector Ltd 4.996% 14/03/2024	0.99%
Chorus Ltd 4.35% 06/12/2028	0.94%
NZ Govt 1.5% 15/05/2031	0.91%
Westpac NZ 3.696% 16/02/27	0.91%
ASB 5.524% 21/06/2027	0.61%
AIANZ 3.29% 17/11/2026	0.48%
WSTP 1.439% 02/24/26	0.45%
ANZNZ 2.999% 17/09/2031	0.40%
ANZNZ 3.03% 20/03/2024	0.39%
IFTNZ 3.50% 15/12/2029	0.37%
Quayside Holding (QHLNZ) 10% Series	0.27%
BNZ 2.16% 29/01/2025	0.27%
AIANZ 3.51% 10/10/2024	0.18%
ASBBNK 1.646% 04/05/2026	0.11%
CHURC 3.01% 05/11/2026	0.09%
KIWI 2.635% 05/10/2026	0.09%
ASBBNK 1.83% 08/19/2024	0.07%
CHURC 3.58% 27/11/2024	0.06%
WSTP 2.083% 20/02/2025	0.06%
Total	9.48%
International fixed interest	
Hunter Global Fixed Interest Fund	25.11%
Total	25.11%
Australasian equities	
Infratil Ltd	2.03%
Fisher & Paykel Healthcare Ltd	1.40%
Meridian Energy Limited	1.18%
Mainfreight Ltd	1.15%
Ebos Group Ltd	0.91%
Spark New Zealand Ltd	0.86%
Auckland International Airport Ltd	0.82%
National Australia Bank Ltd	0.78%
Fletcher Building Ltd	0.77%
CSL Limited	0.63%

Asset Class & Holdings	% of fund net assets
Australasian equities (continued)	
NEXTDC Ltd	0.62%
A2 Milk Company Ltd	0.62%
Macquarie Group Ltd	0.58%
Mercury NZ Limited	0.53%
Chorus Ltd	0.53%
Telstra Corp Ltd	0.47%
Coles Group Ltd	0.44%
Ramsay Health Care Ltd	0.43%
News Corp-CDI Class B	0.39%
Port of Tauranga Ltd	0.39%
Resmed Inc	0.38%
Summerset Group Holdings Ltd	0.36%
Freightways Ltd	0.32%
Block Inc - CDI	0.30%
Ryman Healthcare Ltd	0.29%
Oceania Healthcare Limited	0.29%
Xero Ltd	0.24%
Allkem Ltd	0.20%
Investore Property Limited	0.17%
Pushpay Holdings Ltd	0.14%
Wesfarmers Limited	0.10%
Stride Property Ltd and Stride Invest Mgmt Ltd	0.10%
Total	18.42%
International equities	
Microsoft Corp	2.63%
Alphabet Inc Class A	0.92%
Group2	0.91%
Alphabet Inc Class C	0.87%
Tesla Inc	0.76%
Nvidia Corp	0.57%
Procter & Gamble	0.56%
Taiwan Semiconductor Manufacturing Co. Ltd	0.51%
Visa Inc Class A	0.48%
Thermo Fisher Scientific Inc	0.47%
Coca-Cola	0.42%
Abbvie Inc	0.42%
Eli Lilly	0.41%
Mastercard Inc Class A	0.40%
Pepsico Inc	0.38%
Home Depot Inc	0.37%
Tencent Holdings Ltd	0.37%
Adobe Inc	0.35%
Salesforce Inc	0.34%
Astrazeneca Plc	0.31%
Hsbc Holdings Plc	0.31%
Roche Holding Par AG	0.30%
Alibaba Group Holding Ltd	0.28%
Verizon Communications Inc	0.27%
Cisco Systems Inc	0.26%
Accenture Plc Class A	0.26%
ASML Holding NV	0.25%
Danaher Corp	0.25%
Novo Nordisk Class B	0.24%
Intel Corporation Corp	0.23%
Intuit Inc	0.23%
Walt Disney	0.22%
Servicenow Inc	0.22%
Amgen Inc	0.22%
Toyota Motor Corp	0.21%
Linde Plc	0.21%
Texas Instrument Inc	0.21%
International Business Machines Co	0.21%
Abbott Laboratories	0.19%
Unilever Plc	0.18%
S&P Global Inc	0.17%
United Parcel Service Inc Class B	0.17%
Elevance Health Inc	0.17%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Apple Inc	0.17%
Lowes Companies Inc	0.17%
Aia Group Ltd	0.17%
Nike Inc Class B	0.17%
Becton Dickinson	0.17%
Toronto Dominion	0.15%
American Tower Reit Corp	0.15%
Automatic Data Processing Inc	0.15%
Caterpillar Inc	0.14%
Sony Group Corp	0.13%
Sap	0.13%
Meituan	0.13%
Colgate-Palmolive	0.13%
Medtronic Plc	0.13%
Edwards Lifesciences Corp	0.13%
Morgan Stanley	0.13%
Amazon Com Inc	0.13%
Chubb Ltd	0.13%
Cigna Corp	0.12%
Zoetis Inc Class A	0.12%
BlackRock Inc	0.12%
Charles Schwab Corp	0.12%
Kimberly Clark Corp	0.12%
Applied Material Inc	0.12%
American Express	0.11%
Gilead Sciences Inc	0.11%
Deere	0.11%
Starbucks Corp	0.11%
Vertex Pharmaceuticals Inc	0.11%
Prologis REIT Inc	0.11%
Bnp Paribas Sa	0.11%
Johnson & Johnson	0.11%
Loreal SA	0.11%
Sika Ag	0.11%
Regeneron Pharmaceuticals Inc	0.10%
Allianz	0.10%
Target Corp	0.10%
Marsh & McLennan Inc	0.10%
Synopsys Inc	0.10%
Oracle Corp	0.10%
CME Group Inc Class A	0.09%
Vinci Sa	0.09%
Crown Castle International Reit Co	0.09%
Booking Holdings Inc	0.09%
Pnc Financial Services Group Inc	0.09%
Bank Of Nova Scotia	0.09%
Illinois Tool Inc	0.09%
Autodesk Inc	0.09%
Unitedhealth Group Inc	0.09%
Crh Plc	0.09%
Lair Liquide Societe Anonyme Pour	0.09%
Progressive Corp	0.09%
Lam Research Corp	0.09%
Sherwin Williams	0.09%
Cadence Design Systems Inc	0.09%
Truist Financial Corp	0.09%
TJX Inc	0.09%
Humana Inc	0.09%
Lloyds Banking Group Plc	0.09%
China Construction Bank Corp H	0.08%
Schneider Electric	0.08%
Relx Plc	0.08%
Vestas Wind Systems	0.08%
CSX Corp	0.08%
Reckitt Benckiser Group Plc	0.08%
Bank Of Montreal	0.08%
Equinix Reit Inc	0.08%
Waste Management Inc	0.08%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Baxter International Inc	0.08%
Ing Groep Nv	0.08%
Estee Lauder Inc Class	0.08%
Electronic Arts Inc	0.07%
Aon Plc Class A	0.07%
Centene Corp	0.07%
Roper Technologies Inc	0.07%
Compagnie Financiere Richemont SA	0.07%
General Mills Inc	0.07%
Intesa Sanpaolo	0.07%
Prosus NV	0.07%
Idexx Laboratories Inc	0.07%
Ecolab Inc	0.07%
Norfolk Southern Corp	0.07%
Intercontinental Exchange Inc	0.07%
Dexcom Inc	0.07%
Meta Platforms Inc Class A	0.07%
KDDI Corp	0.07%
Vodafone Group Plc	0.06%
Eaton Plc	0.06%
Banco Bilbao Vizcaya Argentaria Sa	0.06%
Tokyo Electron Ltd	0.06%
Aflac Inc	0.06%
Enphase Energy Inc	0.06%
Nintendo Ltd	0.06%
Nordea Bank	0.06%
Newmont	0.06%
Daiichi Sankyo Ltd	0.06%
Iqvia Holdings Inc	0.06%
Hca Healthcare Inc	0.06%
Hitachi Ltd	0.06%
Axa SA	0.06%
Nxp Semiconductors Nv	0.06%
Compass Group Plc	0.06%
Moodys Corp	0.06%
Intuitive Surgical Inc	0.06%
Canadian Imperial Bank of Commerce	0.06%
ABB Ltd	0.06%
Geberit Ag	0.06%
Nutrien Ltd	0.06%
Essilorluxottica SA	0.05%
Ansys Inc	0.05%
Church And Dwight Inc	0.05%
Vmware Class A Inc	0.05%
Baidu Class A Inc	0.05%
Recruit Holdings Ltd	0.05%
Pfizer Inc	0.05%
Travelers Companies Inc	0.05%
Activision Blizzard Inc	0.05%
Agilent Technologies Inc	0.05%
Prudential Plc	0.05%
Motorola Solutions Inc	0.05%
Mccormick & Co Non-Voting Inc	0.05%
Ppg Industries Inc	0.05%
DBS Group Holdings Ltd	0.05%
Daikin Industries Ltd	0.05%
Lonza Group AG	0.05%
Solaredge Technologies Inc	0.05%
T Rowe Price Group Inc	0.05%
Hp Inc	0.05%
SK Hynix Inc	0.05%
West Pharmaceutical Services Inc	0.05%
Kering SA	0.05%
Netease Inc	0.05%
Fanuc Corp	0.05%
Boston Scientific Corp	0.05%
Nucor Corp	0.05%
Hormel Foods Corp	0.05%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Ww Grainger Inc	0.05%
Prudential Financial Inc	0.05%
Stryker Corp	0.05%
Cvs Health Corp	0.05%
Steris	0.05%
Welltower Inc	0.05%
Clorox	0.05%
Bank Of New York Mellon Corp	0.05%
Danone SA	0.05%
Shopify Subordinate Voting Inc Class A	0.05%
M&T Bank Corp	0.05%
Biogen Inc	0.05%
Johnson Controls International Plc	0.04%
Amcor Plc	0.04%
Sba Communications Reit Corp	0.04%
Allstate Corp	0.04%
Arthur J Gallagher	0.04%
MediaTek Inc	0.04%
Genuine Parts	0.04%
China Merchants Bank Ltd	0.04%
Illumina Inc	0.04%
Lululemon Athletica Inc	0.04%
Holcim Ltd Ag	0.04%
Keurig Dr Pepper Inc	0.04%
Merck & Co Inc	0.04%
Palo Alto Networks Inc	0.04%
Byd Ltd	0.04%
Deutsche Boerse AG	0.04%
Hoya Corp	0.04%
Hilton Worldwide Holdings Inc	0.04%
Wuxi Biologics Cayman Inc	0.04%
Rockwell Automation Inc	0.04%
Givaudan SA	0.04%
Splunk Inc	0.04%
Waste Connections Inc	0.04%
Mettler Toledo Inc	0.04%
SoftBank Corp	0.04%
Amerisourcebergen Corp	0.04%
International Flavors & Fragrances	0.04%
Compagnie De Saint Gobain Sa	0.04%
Advanced Micro Devices Inc	0.04%
Itochu Corp	0.04%
Cincinnati Financial Corp	0.04%
Dover Corp	0.04%
Qualcomm Inc	0.04%
Carrier Global Corp	0.04%
Daiwa House Industry Ltd	0.04%
Hologic Inc	0.04%
First Republic Bank	0.04%
Adidas N AG	0.04%
Murata Manufacturing Ltd	0.04%
Trane Technologies Plc	0.04%
Warner Bros. Discovery Inc	0.04%
Paccar Inc	0.04%
Otis Worldwide Corp	0.04%
Astellas Pharma Inc	0.04%
Cardinal Health Inc	0.04%
East Japan Railway	0.04%
Banco Santander Sa	0.04%
Keysight Technologies Inc	0.04%
Plug Power Inc	0.04%
Verisk Analytics Inc	0.04%
Take Two Interactive Software Inc	0.04%
Fast Retailing Ltd	0.04%
Assa Abloy B	0.04%
Svb Financial Group	0.04%
MercadoLibre Inc	0.04%
Societe Generale Sa	0.04%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Republic Services Inc	0.04%
Fastenal	0.04%
American Water Works Inc	0.04%
Fortive Corp	0.04%
Vf Corp	0.04%
Broadcom Inc	0.04%
Ebay Inc	0.04%
Cummins Inc	0.04%
Ameriprise Finance Inc	0.03%
Koninklijke Ahold Delhaize NV	0.03%
Nibe Industrier Class B	0.03%
Sysco Corp	0.03%
Bank Central Asia	0.03%
Insulet Corp	0.03%
Discover Financial Services	0.03%
KKR and Co Inc	0.03%
Dnb Bank	0.03%
Laboratory Corporation Of America	0.03%
Fortinet Inc	0.03%
Sse Plc	0.03%
Aptiv Plc	0.03%
Northern Trust Corp	0.03%
Old Dominion Freight Line	0.03%
Essity Class B	0.03%
CBRE Group Inc Class A	0.03%
Citrix Systems Inc	0.03%
Ferguson Plc	0.03%
Atlas Copco Class A	0.03%
BMW AG	0.03%
Ross Stores Inc	0.03%
Umicore Sa	0.03%
Orange SA	0.03%
Industria De Diseno Textil Inditex	0.03%
Swiss Re AG	0.03%
Fujitsu Ltd	0.03%
Barclays Plc	0.03%
Open Text Corp	0.03%
Bristol Myers Squibb	0.03%
Li Auto Adr Inc	0.03%
Archer Daniels Midland	0.03%
Weyerhaeuser REIT	0.03%
Koninkilijke Dsm NV	0.03%
Kellogg	0.03%
Crowdstrike Holdings Inc Class A	0.03%
Intact Financial Corp	0.03%
West Fraser Timber Ltd	0.03%
Wolters Kluwer NV	0.03%
Hewlett Packard Enterprise	0.03%
Naver Corp	0.03%
Samsung SDI Ltd	0.03%
Copart Inc	0.03%
D R Horton Inc	0.03%
Citizens Financial Group Inc	0.03%
Tractor Supply	0.03%
State Street Corp	0.03%
Ball Corp	0.03%
Kbc Groep	0.03%
Hubspot Inc	0.03%
Assa Abloy AB	0.03%
United Overseas Bank Ltd	0.03%
Pentair	0.03%
Contemporary Amperex Technology Lt	0.03%
Kingspan Group Plc	0.03%
Regions Financial Corp	0.03%
Willis Towers Watson Plc	0.03%
Merck	0.03%
Yum China Holdings Inc	0.03%
Ashtead Group Plc	0.03%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Huntington Bancshares Inc	0.03%
Legal And General Group Plc	0.03%
Sampo	0.03%
Abiomed Inc	0.03%
Chocoladefabriken Lindt & Spruengli AG	0.03%
Franklin Resources Inc	0.03%
Hartford Financial Services Group	0.03%
Teleflex Inc	0.03%
Ericsson B	0.03%
National Bank Of Canada	0.03%
A O Smith Corp	0.03%
Keycorp	0.03%
Agnico Eagle Mines Ltd	0.03%
Wh Group Ltd	0.03%
Ulta Beauty Inc	0.03%
Nortonlifelock Inc	0.03%
China Mengniu Dairy Ltd	0.03%
Fujifilm Holdings Corp	0.03%
Ventas Reit Inc	0.03%
Gsk	0.03%
Perkinelmer Inc	0.03%
Genmab	0.03%
Eiffage Sa	0.03%
Kao Corp	0.03%
Align Technology Inc	0.03%
Brown Forman Corp Class B	0.03%
Walgreen Boots Alliance Inc	0.03%
Komatsu Ltd	0.03%
Xylem Inc	0.03%
A P Moller Maersk	0.03%
Compagnie Generale Des Etablisseme	0.03%
Orix Corp	0.03%
Horizon Therapeutics Public Plc	0.03%
Chugai Pharmaceutical Ltd	0.02%
Bouygues Sa	0.02%
Cooper Inc	0.02%
Conagra Brands Inc	0.02%
Legrand SA	0.02%
Novartis Ag	0.02%
Diageo Plc	0.02%
Dai-Ichi Life Holdings Inc	0.02%
Catalent Inc	0.02%
Panasonic Holdings Corp	0.02%
Nasdaq Inc	0.02%
Xinyi Solar Holdings Ltd	0.02%
Bt Group Plc	0.02%
Ferrovial Sa	0.02%
Mosaic	0.02%
Kla Corp	0.02%
Quest Diagnostics Inc	0.02%
Workday Inc Class A	0.02%
Quanta Services Inc	0.02%
Molina Healthcare Inc	0.02%
Banco Bradesco Pref SA	0.02%
Martin Marietta Materials Inc	0.02%
Teleperformance	0.02%
Kakao Corp	0.02%
Link Real Estate Investment Trust	0.02%
Uni-President Enterprises Corp	0.02%
Sandvik	0.02%
Longi Green Energy Technology Ltd	0.02%
First Solar Inc	0.02%
Zimmer Biomet Holdings Inc	0.02%
United Rentals Inc	0.02%
Incyte Corp	0.02%
Thomson Reuters Corp	0.02%
Biomarin Pharmaceutical Inc	0.02%
Arch Capital Group Ltd	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Zebra Technologies Corp Class A	0.02%
Bunge Ltd	0.02%
Sonova Holding AG	0.02%
Shiseido Ltd	0.02%
Raymond James Inc	0.02%
Wheaton Precious Metals Corp	0.02%
Dollarama Inc	0.02%
Datadog Inc Class A	0.02%
Veolia Environ. SA	0.02%
Albemarle Corp	0.02%
Magna International Inc	0.02%
Omron Corp	0.02%
United Micro Electronics Corp	0.02%
Mondelez International Inc Class A	0.02%
Principal Financial Group Inc	0.02%
Bio Techne Corp	0.02%
Transunion	0.02%
Waters Corp	0.02%
Segro Reit Plc	0.02%
Zoom Video Communications Inc Clas	0.02%
China Resources Land Ltd	0.02%
Lpl Financial Holdings Inc	0.02%
Rogers Communications Non-Voting I	0.02%
International Paper	0.02%
Mitsubishi Estate Co Ltd	0.02%
Trimble Inc	0.02%
Chubu Electric Power Inc	0.02%
Mcdonalds Corp	0.02%
Unicharm Corp	0.02%
Kerry Group Plc	0.02%
Pearson Plc	0.02%
Expeditors International Of Washington Inc	0.02%
Expeditors International Of Washin	0.02%
Shionogi Ltd	0.02%
Ptc Inc	0.02%
WR Berkley Corp	0.02%
China Overseas Land Investment Ltd	0.02%
Air Products And Chemicals Inc	0.02%
Mckesson Corp	0.02%
Microchip Technology Inc	0.02%
TDK Corp	0.02%
Ingersoll Rand Inc	0.02%
Nan Ya Plastics Corp	0.02%
Verbund Ag	0.02%
AEON Ltd	0.02%
Heidelbergcement Ag	0.02%
Water Corp	0.02%
FactSet Research Systems Inc	0.02%
Synchrony Financial	0.02%
Standard Chartered Plc	0.02%
Byd Ltd A	0.02%
Pool Corp	0.02%
Fubon Financial Holding Ltd	0.02%
Healthpeak Properties Inc	0.02%
Xpeng Adr Representing Inc	0.02%
Symrise AG	0.02%
Realty Income Reit Corp	0.02%
Upm-Kymmene	0.02%
Cognex Corp	0.02%
Zendesk Inc	0.02%
SGS SA	0.02%
Kubota Corp	0.02%
Cintas Corp	0.02%
Chunghwa Telecom Ltd	0.02%
China Yangtze Power Ltd A	0.02%
CTBC Financial Holding Ltd	0.02%
Swiss Life Holding AG	0.02%
Sunrun Inc	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Power Corporation Of Canada	0.02%
KB Financial Group Inc	0.02%
Boston Properties Reit Inc	0.02%
Wpp Plc	0.02%
Coloplast B	0.02%
Generac Holdings Inc	0.02%
Straumann Holding AG	0.02%
Dominos Pizza Inc	0.02%
Yaskawa Electric Corp	0.02%
Singapore Telecommunications Ltd	0.02%
3M	0.02%
Marubeni Corp	0.02%
Best Buy Inc	0.02%
Shinhan Financial Group Ltd	0.02%
Edp Renovaveis Sa	0.02%
Grupo Finance Banorte	0.02%
Delta Electronics Inc	0.02%
Brown & Brown Inc	0.02%
CarMax Inc	0.02%
China Merchants Bank Ltd A	0.02%
Sompo Holdings Inc	0.02%
Glencore Plc	0.02%
Public Bank	0.02%
BOC Hong Kong Holdings Ltd	0.02%
Rentokil Initial Plc	0.02%
Booz Allen Hamilton Holding Corp C	0.02%
Ping An Insurance (Group) Of China	0.02%
Telekomunikasi Indonesia	0.02%
Jb Hunt Transport Services	0.02%
Novozymes B	0.02%
Kuehne und Nagel International AG	0.02%
Bank Leumi Le Israel	0.02%
Campbell Soup	0.02%
Atlas Copco Class B	0.02%
Hang Seng Bank Ltd	0.02%
NN Group NV	0.02%
E.Sun Financial Holding Ltd	0.02%
MS&AD Insurance Group Holdings Inc	0.02%
Unicredit	0.02%
Cathay Financial Holding Ltd	0.02%
Idex Corp	0.02%
Howmet Aerospace Inc	0.02%
LKQ Corp	0.02%
Akzo Nobel NV	0.02%
Jazz Pharmaceuticals Plc	0.02%
Federal Realty Investment Trust Re	0.02%
Henry Schein Inc	0.02%
Trade Desk Inc Class A	0.02%
United Utilities Group Plc	0.02%
Contemporary Amperex Technology Ltd	0.02%
Alleghany Corp	0.02%
CH Robinson Worldwide Inc	0.02%
Fomento Economico Mexicano	0.02%
Croda International Plc	0.02%
Rio Tinto Plc	0.02%
Informa Plc	0.02%
Walmart Inc	0.02%
Mega Financial Holding Ltd	0.02%
Steel Dynamics Inc	0.02%
Celanese Corp	0.02%
WSP Global Inc	0.02%
Commerzbank Ag	0.02%
Eisai Ltd	0.02%
Essex Property Trust Reit Inc	0.02%
Cboe Global Markets Inc	0.02%
Nomura Holdings Inc	0.02%
Hasbro Inc	0.02%
Stanley Black & Decker Inc	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Svenska Cellulosa B	0.02%
Mtr Corporation Corp Ltd	0.02%
Snap Inc Class A	0.02%
Webster Financial Corp	0.02%
Metro Inc	0.02%
Nippon Yusen	0.02%
Terna Rete Elettrica Nazionale	0.02%
Mowi	0.02%
Natwest Group Plc	0.02%
Henkel & KGaA Pref AG	0.01%
CNH Industrial NV	0.01%
Masco Corp	0.01%
Interpublic Group Of Companies Inc	0.01%
Novocure Ltd	0.01%
Coca Cola European Partners Plc	0.01%
Telus Corp	0.01%
Westrock	0.01%
Paypal Holdings Inc	0.01%
China Steel Corp	0.01%
Nippon Steel Corp	0.01%
Ally Financial Inc	0.01%
Spirax-Sarco Engineering Plc	0.01%
Deutsche Bank Ag	0.01%
Next Plc	0.01%
Brenntag SE	0.01%
Advance Auto Parts Inc	0.01%
Netflix Inc	0.01%
Assurant Inc	0.01%
Intercontinental Hotels Group Plc	0.01%
First Financial Holding Ltd	0.01%
Pultegroup Inc	0.01%
Analog Devices Inc	0.01%
CP All Non-Voting Dr Pcl	0.01%
Publicis Groupe SA	0.01%
Smurfit Kappa Group Plc	0.01%
Intertek Group Plc	0.01%
Daifuku Ltd	0.01%
Mtu Aero Engines Holding Ag	0.01%
Daqo New Energy Adr Representing	0.01%
Sysmex Corp	0.01%
Ajinomoto Inc	0.01%
Koninklijke KPN NV	0.01%
Skandinaviska Enskilda Banken	0.01%
Siemens Gamesa Renewable Energy Sa	0.01%
Sekisui House Ltd	0.01%
Wuliangye Yibin Ltd A	0.01%
Snap On Inc	0.01%
Severn Trent Plc	0.01%
Epiroc Class A	0.01%
Carrefour SA	0.01%
Telia Company	0.01%
Saputo Inc	0.01%
Hanwha Solutions Corp	0.01%
Zoominfo Technologies Inc	0.01%
Acciona Sa	0.01%
Rohm Ltd	0.01%
Guidewire Software Inc	0.01%
Siam Cement Non-Voting Dr Pcl	0.01%
Corteva Inc	0.01%
Palantir Technologies Inc Class A	0.01%
CSPC Pharmaceutical Group Ltd	0.01%
Novo Nordisk Class B	0.01%
Cameco Corp	0.01%
Hana Financial Group Inc	0.01%
Burberry Group Plc	0.01%
Mondi Plc	0.01%
Allegion Plc	0.01%
WEG SA	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Snowflake Class A	0.01%
Sumitomo Mitsui Trust Holdings Inc	0.01%
Lumen Technologies Inc	0.01%
Dassault Systemes	0.01%
Ametek Inc	0.01%
Caixabank Sa	0.01%
Longfor Group Holdings Ltd	0.01%
Hennes & Mauritz	0.01%
St James Place Plc	0.01%
Boliden	0.01%
West Japan Railway	0.01%
CapitaLand Integrated Commercial Trust	0.01%
BorgWarner Inc	0.01%
Paycom Software Inc	0.01%
Country Garden Services Holdings Co. Ltd	0.01%
Malayan Banking	0.01%
Monster Beverage Corp	0.01%
Constellation Brands Inc Class A	0.01%
Chailease Holding Ltd	0.01%
Asahi Kasei Corp	0.01%
Cdk Global Inc	0.01%
Fortune Brands Home And Security Inc	0.01%
Annaly Capital Management Reit Inc	0.01%
Powszechna Kasa Oszczednosci Bank	0.01%
Sumitomo Metal Mining Ltd	0.01%
MarketAxess Holdings Inc	0.01%
George Weston Ltd	0.01%
Gea Group Ag	0.01%
Berkeley Group Holdings (The) Plc	0.01%
Ss And C Technologies Holdings Inc	0.01%
Chr Hansen Holding	0.01%
Taiwan Cooperative Financial Holdings	0.01%
Keyence Corp	0.01%
Bangkok Dusit Medical Services	0.01%
Norsk Hydro	0.01%
Skanska B	0.01%
Dentsply Sirona Inc	0.01%
Nomura Research Institute Ltd	0.01%
Hydro One Ltd	0.01%
Bio Rad Laboratories Inc Class A	0.01%
Anglo American Plc	0.01%
Micron Technology Inc	0.01%
Z Holdings Corp	0.01%
Beiersdorf AG	0.01%
Telenor	0.01%
Associated British Foods Plc	0.01%
Vail Resorts Inc	0.01%
Hershey Foods	0.01%
Burlington Stores Inc	0.01%
Credicorp Ltd	0.01%
Hexagon Class B	0.01%
Robert Half	0.01%
Sumitomo Realty & Development Ltd	0.01%
Neurocrine Biosciences Inc	0.01%
Lincoln National Corp	0.01%
Elisa	0.01%
Zscaler Inc	0.01%
Wuxi Apptec Ltd A	0.01%
Bureau Veritas SA	0.01%
Shimadzu Corp	0.01%
NTT Data Corp	0.01%
Toray Industries Inc	0.01%
Acs Actividades De Construccion Y	0.01%
Svenska Handelsbanken-A Shs	0.01%
Airports Of Thailand Non-Voting Dr	0.01%
Elanco Animal Health Inc	0.01%
Stora Enso Class R	0.01%
Toto Ltd	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Newell Brands Inc	0.01%
Evergreen Marine Corp (Taiwan) Ltd	0.01%
Toyota Industries Corp	0.01%
Clariant AG	0.01%
Hirose Electric Ltd	0.01%
FirstService Subordinate Voting Co	0.01%
Tyler Technologies Inc	0.01%
Dropbox Inc Class A	0.01%
First Financial Bankshares Inc	0.01%
Dai Nippon Printing Ltd	0.01%
Knight-Swift Transportation Holdin	0.01%
Ganfeng Lithium Ltd H	0.01%
Sino Land Ltd	0.01%
Vivendi	0.01%
Digital Realty Trust Reit Inc	0.01%
Teradyne Inc	0.01%
Worldline Sa	0.01%
Resona Holdings Inc	0.01%
Nitto Denko Corp	0.01%
Rollins Inc	0.01%
Garmin Ltd	0.01%
Credit Agricole Sa	0.01%
Fidelity National Information Serv	0.01%
Docusign Inc	0.01%
Lear Corp	0.01%
Red Electrica SA	0.01%
Brookfield Renewable Subordinate V	0.01%
Industrial Bank Ltd A	0.01%
Owens Corning	0.01%
Land Securities Group Reit Plc	0.01%
Leg Immobilien N	0.01%
Mitsubishi Chemical Group Corp	0.01%
Cable One Inc	0.01%
Sage Group Plc	0.01%
Imcd Nv	0.01%
Kingfisher Plc	0.01%
Fiserv Inc	0.01%
China Vanke Ltd A	0.01%
Toromont Industries Ltd	0.01%
Taiwan Mobile Ltd	0.01%
Sungrow Power Supply Ltd A	0.01%
Yokogawa Electric Corp	0.01%
East Money Information Ltd A	0.01%
Lennox International Inc	0.01%
Swedbank	0.01%
Bill Com Holdings Inc	0.01%
Aspen Technology Inc	0.01%
Taiwan Cement Corp	0.01%
Prysmian	0.01%
Nippon Building Fund Reit Inc	0.01%
Tfi International Inc	0.01%
Alfa Laval	0.01%
Sensata Technologies Holding Plc	0.01%
Fair Isaac Corp	0.01%
Canadian Tire Ltd Class	0.01%
Puma	0.01%
Moderna Inc	0.01%
Asustek Computer Inc	0.01%
Shanghai Commercial Ltd	0.01%
Kesko Class B	0.01%
Voya Financial Inc	0.01%
Ritchie Bros Auctioneers Inc	0.01%
Antofagasta Plc	0.01%
Barratt Developments	0.01%
First Interstate Bancsystem Inc Cl	0.01%
Alstom Sa	0.01%
First Bancorp	0.01%
Advantest Corp	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Klepierre REIT SA	0.01%
Yakult Honsha Ltd	0.01%
Kikkoman Corp	0.01%
Unibail-Rodamco-Westfield Stapled Units	0.01%
Black Knight Inc	0.01%
Azbil Corp	0.01%
Hankyu Hanshin Holdings Inc	0.01%
London Stock Exchange Group Plc	0.01%
First Horizon Corp	0.01%
Solvay SA	0.01%
Popular Inc	0.01%
Carlyle Group Inc	0.01%
Tyson Foods Inc Class A	0.01%
Whitbread Plc	0.01%
Nidec Corp	0.01%
Vifor N . Linie Ag	0.01%
Exact Sciences Corp	0.01%
LG Electronics Inc	0.01%
Bloom Energy Class A Corp	0.01%
Renesas Electronics Corp	0.01%
CIMB Group Holdings	0.01%
Lenovo Group Ltd	0.01%
HKT Trust & HKT Ltd	0.01%
Kraft Heinz	0.01%
Umb Financial Corp	0.01%
Nissin Foods Holdings Ltd	0.01%
Yunnan Energy New Materials Ltd A	0.01%
Nippon Paint Holdings Ltd	0.01%
Sumitomo Chemical Ltd	0.01%
Citic Ltd	0.01%
Hotai Motor Ltd	0.01%
Tcl Zhonghuan Renewable Energy Tec	0.01%
Ormat Tech Inc	0.01%
Randstad Holding	0.01%
Pandora	0.01%
Prosperity Bancshares Inc	0.01%
Delivery Hero	0.01%
Sinopac Financial Holdings Ltd	0.01%
Elastic Nv	0.01%
Advanced Info Service Non-Voting D	0.01%
Nio American Depositary Shares Rep	0.01%
Essent Group Ltd	0.01%
Signify Nv	0.01%
Elia Group SA	0.01%
SKF B	0.01%
Zhejiang Huayou Cobalt Ltd A	0.01%
LG Corp	0.01%
Danske Bank	0.01%
United Bankshares Inc	0.01%
Ocado Group Plc	0.01%
Capitaland Investment Ltd	0.01%
Central Japan Railway	0.01%
Xiaomi Corp	0.01%
Adecco Group AG	0.01%
Esr Group Ltd	0.01%
Suntory Beverage & Food Ltd	0.01%
Yadea Group Holdings Ltd	0.01%
Henkel AG	0.01%
Meiji Holdings Ltd	0.01%
Commerce Bancshares Inc	0.01%
Zalando	0.01%
First Citizens Bancshares Inc Clas	0.01%
Ganfeng Lithium Ltd A	0.01%
Hellofresh	0.01%
Eqt	0.01%
President Chain Store Corp	0.01%
Mgic Investment Corp	0.01%
Temenos Ag	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Cemex CPO	0.01%
Orkla	0.01%
Southstate Corp	0.01%
Yamaha Corp	0.01%
Tokyu Corp	0.01%
China Tourism Group Duty Free Corp	0.01%
Inner Mongolia Yili Industrial Gro	0.01%
China Everbright Environment Group	0.01%
Bank Pekao SA	0.01%
Gildan Activewear Inc	0.01%
Taisei Corp	0.01%
Us Bancorp	0.01%
Grupo Bimbo A	0.01%
Jpmorgan Chase & Co	0.01%
Wintrust Financial Corp	0.01%
Sun Hung Kai Properties Ltd	0.01%
Equitable Holdings Inc	0.01%
Lattice Semiconductor Corp	0.01%
Lixil Corp	0.01%
Hancock Whitney Corp	0.01%
Bank Ozk	0.01%
Taishin Financial Holding Ltd	0.01%
Glacier Bancorp Inc	0.01%
China Vanke Ltd H	0.01%
Teradata Corp	0.01%
Columbia Banking System Inc	0.01%
Tele2 B	0.01%
Citic Securities Ltd A	0.01%
Carl Zeiss Meditec AG	0.01%
Kingdee Intl. Software Group Ltd	0.01%
Flagstar Bancorp Inc	0.01%
Fnb Corp	0.01%
Ameris Bancorp	0.01%
Silicon Laboratories Inc	0.01%
Texas Capital Bancshares Inc	0.01%
Bankunited Inc	0.01%
Citigroup Inc	0.01%
Western Alliance	0.01%
Taylor Wimpey Plc	0.01%
Old National Bancorp	0.01%
East West Bancorp Inc	0.01%
Lg H & H Ltd	0.01%
Cullen Frost Bankers Inc	0.01%
Abrdn Plc	0.01%
Singapore Airlines Ltd	0.01%
Radian Group Inc	0.01%
Gerdau Pref Sa	0.01%
Belimo N Ag	0.01%
Localiza Rent A Car SA	0.01%
Erste Group Bank Ag	0.01%
Orion Class B	0.01%
Amphenol Corp Class A	0.01%
Comerica Inc	0.01%
Hmm Ltd	0.01%
Kinross Gold Corp	0.01%
Airtac International Group	0.01%
Davita Inc	0.01%
Yang Ming Marine Transport Corp	0.01%
Invesco Ltd	0.01%
New York Community Bancorp Inc	0.01%
Kintetsu Group Holdings Ltd	0.01%
Jeronimo Martins SA	0.01%
Dynatrace Inc	0.01%
JFE Holdings Inc	0.01%
Eve Energy Ltd A	0.01%
Far Eastone Telecommunications Ltd	0.01%
Odakyu Electric Railway Ltd	0.01%
Lincoln Electric Holdings Inc	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Empire Ltd Class A	0.01%
Want Want China Holdings	0.01%
Umpqua Holdings Corp	0.01%
Voltronic Power Technology Corp	0.01%
Yamaha Motor Ltd	0.01%
Experian Plc	0.01%
Woori Financial Group Inc	0.01%
Te Connectivity Ltd	0.01%
Marvell Technology Inc	0.01%
Manhattan Associates Inc	0.01%
Zions Bancorporation	0.01%
Sekisui Chemical Ltd	0.01%
Paychex Inc	0.01%
OTP Bank	0.01%
Pennymac Financial Services Inc	0.01%
Shopify Subordinate Voting Inc Cla	0.01%
Tesco Plc	0.01%
Lundin Mining Corp	0.01%
Associated Bancorp	0.01%
Minebea Mitsumi Inc	0.01%
Wuxi Apptec Ltd H	0.01%
Schroders Plc	0.01%
Cvb Financial Corp	0.01%
Mr Cooper Group Inc	0.01%
Masimo Corp	0.01%
Jiangsu Hengrui Medicine Ltd A	0.01%
Bank Of America Corp	0.01%
Yageo Corp	0.01%
Valley National	0.01%
Fulton Financial Corp	0.01%
Apollo Global Management Inc	0.01%
Banco Do Brasil SA	0.01%
Gecina SA	0.01%
Cognizant Technology Solutions Cor	0.01%
United Community Banks Inc	0.01%
Bruker Corp	0.01%
Fifth Third Bancorp	0.01%
Pinnacle Financial Partners Inc	0.01%
Capcom Ltd	0.01%
Luxshare Precision Industry Ltd A	0.01%
Vonovia Se	0.01%
Synovus Financial Corp	0.01%
Rocket Companies Inc Class A	0.01%
Singapore Exchange Ltd	0.01%
Spie Sa	0.01%
Industrial And Commercial Bank Of	0.01%
Ncsoft Corp	0.01%
Ricoh Ltd	0.01%
Shenzhen Inovance Technology Ltd A	0.01%
Teladoc Health Inc	0.01%
Bentley Systems Inc Class B	0.01%
Vipshop Holdings Sponsored Ads Rep	0.01%
Wens Foodstuff Group Ltd	0.01%
Envista Holdings Corp	0.01%
Guangzhou R&F Properties Ltd H	0.01%
Tobu Railway Ltd	0.01%
Paylocity Holding Corp	0.01%
Shoals Technologies Group Inc Clas	0.01%
Valeo	0.01%
Hapvida Participacoes E Investimen	0.01%
Nexi	0.01%
Auo Corp	0.01%
Luzhou Lao Jiao Ltd A	0.01%
China Feihe Ltd	0.01%
Rivian Automotive Inc Class	0.01%
Banco Bradesco Sa	0.01%
British Land Reit Plc	0.01%
Press Metal Aluminium Holdings	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Evonik Industries Ag	0.01%
Sunnova Energy International Inc	0.01%
Sainsbury (J) Plc	0.01%
City Developments Ltd	0.01%
Home Bancshares Inc	0.01%
Unilever Indonesia	0.01%
Global Payments Inc	0.01%
Finecobank Banca Fineco	0.01%
Shockwave Medical Inc	0.01%
Five9 Inc	0.01%
Amerco	0.01%
Equatorial Energia SA	0.01%
Rumo SA	0.01%
Shenzhen Mindray Bio-Medical Elect	0.01%
Shimao Group Holdings Ltd	0.01%
GN Store Nord	0.01%
JDE Peets Nv	0.01%
SG Holdings Ltd	0.01%
Beijing Enterprises Water Group Lt	0.01%
Bok Financial Corp	0.01%
Ceridian Hcm Holding Inc	0.01%
Rockwool International B	0.01%
Sirius Xm Holdings Inc	0.01%
Obayashi Corp	0.01%
Raia Drogasil Sa	0.01%
Bank Of Ningbo Ltd A	0.01%
Salmar	0.01%
Nippon Express Holdings Inc	0.01%
Ping An Bank Ltd A	0.01%
Nomura Real Estate Holdings Inc	0.01%
Bank Of Hawaii Corp	0.01%
Arca Continental	0.01%
Block Inc Class A	0.01%
Amplifon	0.01%
Samsung Life Ltd	0.01%
Swire Properties Ltd	0.01%
Kajima Corp	0.01%
Electrolux Class B	0.01%
Walker & Dunlop Inc	0.01%
First Hawaiian Inc	0.01%
Biomerieux SA	0.01%
BMW Pref AG	0.01%
Gree Electric Appliances Inc Of Zh	0.01%
Bank Of Communications Ltd A	0.01%
Lojas Renner SA	0.01%
Eastern Bankshares Inc	0.01%
Avalara Inc	0.01%
Unity Software Inc	0.01%
Kghm Polska Miedz Sa	0.01%
Covivio SA	0.01%
Sprout Social Inc Class A	0.01%
Grupo Televisa	0.01%
Wartsila	0.01%
Accor SA	0.01%
Coca Cola HBC AG	0.01%
Shanxi Xinghuacun Fen Wine Factory	0.01%
Arcadis Nv	0.01%
Creditors	-1.71%
Total	40.75%
Grand Total	**100%**

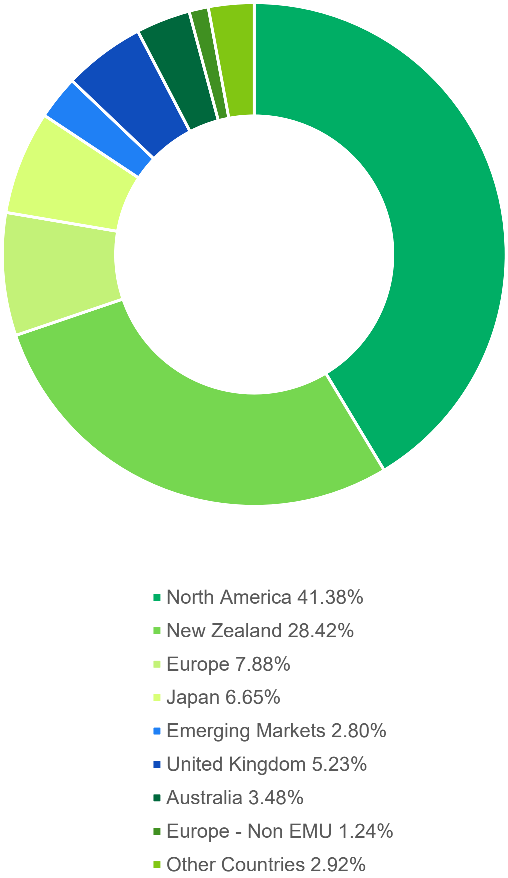
MAS KiwiSaver Scheme

Moderate Fund Holdings

As at 30 June 2022

Asset Class & Holdings Region	% Portfolio
Cash and cash equivalents	
New Zealand	8.31%
Other	0.15%
Total	8.46%
New Zealand fixed interest	
New Zealand	12.81%
Total	12.81%
International fixed interest	
North America	21.70%
Japan	5.09%
Europe	5.31%
United Kingdom	3.92%
Emerging Markets	1.32%
Europe - Non EMU	0.55%
New Zealand	0.03%
Australia	-0.21%
Other Countries	1.66%
Total	39.37%
Australasian equities	
New Zealand	8.70%
Australia	3.75%
Total	12.45%
International equities	
North America	19.56%
Europe	2.56%
Japan	1.54%
Emerging Markets	1.47%
United Kingdom	1.30%
Europe - Non EMU	0.69%
Australia	-0.03%
New Zealand	-1.43%
Other Countries	1.25%
Total	26.91%
Grand Total	**100%**

Regional Asset Class Allocation



Notes:

1. Fund holdings are current as at 30 June 2022. Future holdings may be different from those stated. Investments are managed in accordance with the MAS KiwiSaver Scheme's SIPO, available on the MAS website at **mas.co.nz/Kiwisaver**

2. For holdings by region:
   a. 'Other countries' includes any other region not named.
   b. For Cash and cash equivalents, regions other than New Zealand have been grouped as 'Other'.
   c. EMU is the European Economic and Monetary Union.
   d. All holdings have been rounded to 2 decimal places, so the sum of holdings may not always total to 100.00%.

3. For full holdings:
   a. Holdings less than 0.01% have been grouped as 'Other'.

4. Creditors are shown as negative holdings, which may include any currency hedging positions in place for the Fund.

5. Medical Funds Management Limited is the issuer of the MAS KiwiSaver Scheme. The PDS for the MAS KiwiSaver Scheme is available on the MAS website at **mas.co.nz/kiwisaver**

Asset Class & Holdings	% of fund net assets
Cash and cash equivalents	
JBWere Premium Custody Call Account - NZD	4.28%
Westpac On Term @ 1.420% 13/07/2022	0.72%
WSTP Term Deposit 1.600% 26/08/2021 26/08/2022	0.43%
RABOBK Term Deposit 1.550% 01/09/2021 01/09/2022	0.43%
CCB Term Deposit 3.7% 17/06/2022 19/06/2023	0.42%
WSTP Term Deposit 1.530% 02/08/2021 02/08/2022	0.34%
BNZ On Term @ 1.86% 27/10/2022	0.33%
Westpac On Term @ 1.550% 01/09/2022	0.28%
China Construction Bank On Term @ 3.4% 10/05/2023	0.22%
ASB On Term @ 4.070% 28/06/2023	0.19%
ANZ On Term @ 1.800% 07/11/2022	0.17%
BNZ On Term @ 2.23% 28/12/2022	0.17%
Kiwibank On Term @ 3% 10/05/2023	0.16%
Kiwibank On Term @ 1.850% 02/08/2022	0.11%
ASBBNK Term Deposit 3.5% 13/06/2022 13/06/2023	0.11%
USD Cash	0.11%
WSTP Term Deposit 2.620% 15/02/2022 15/02/2023	0.09%
Debtors	0.03%
JPY Cash	0.02%
AUD Cash	0.01%
HKD Cash	0.01%
TWD Cash	0.01%
GBP Cash	0.01%
CAD Cash	0.01%
EUR Cash	0.01%
Creditors	-0.20%
Total	8.46%
New Zealand fixed interest	
BNZ 4.985% 07/06/2027	2.47%
Vector Ltd 4.996% 14/03/2024	1.34%
Chorus Ltd 4.35% 06/12/2028	1.28%
NZ Govt 1.5% 15/05/2031	1.23%
Westpac NZ 3.696% 16/02/27	1.22%
ASB 5.524% 21/06/2027	0.83%
AIANZ 3.29% 17/11/2026	0.65%
WSTP 1.439% 02/24/26	0.61%
ANZNZ 2.999% 17/09/2031	0.55%
ANZNZ 3.03% 20/03/2024	0.53%
IFTNZ 3.50% 15/12/2029	0.51%
Quayside Holding (QHLNZ) 10% Series	0.37%
BNZ 2.16% 29/01/2025	0.36%
AIANZ 3.51% 10/10/2024	0.25%
ASBBNK 1.646% 04/05/2026	0.15%
CHURC 3.01% 05/11/2026	0.12%
KIWI 2.635% 05/10/2026	0.12%
ASBBNK 1.83% 08/19/2024	0.09%
CHURC 3.58% 27/11/2024	0.08%
WSTP 2.083% 20/02/2025	0.08%
Total	12.81%
International fixed interest	
Hunter Global Fixed Interest Fund	39.37%
Total	39.37%
Australasian equities	
Infratil Ltd	1.37%
Fisher & Paykel Healthcare Ltd	0.94%
Meridian Energy Limited	0.80%
Mainfreight Ltd	0.77%
Ebos Group Ltd	0.62%
Spark New Zealand Ltd	0.58%
Auckland International Airport Ltd	0.55%
National Australia Bank Ltd	0.52%
Fletcher Building Ltd	0.52%
CSL Limited	0.43%
NEXTDC Ltd	0.42%
A2 Milk Company Ltd	0.42%

Asset Class & Holdings	% of fund net assets
Australasian equities (continued)	
Macquarie Group Ltd	0.39%
Mercury NZ Limited	0.36%
Chorus Ltd	0.36%
Telstra Corp Ltd	0.31%
Coles Group Ltd	0.30%
Ramsay Health Care Ltd	0.29%
News Corp-CDI Class B	0.27%
Port of Tauranga Ltd	0.26%
Resmed Inc	0.26%
Summerset Group Holdings Ltd	0.24%
Freightways Ltd	0.22%
Block Inc - CDI	0.20%
Ryman Healthcare Ltd	0.20%
Oceania Healthcare Limited	0.20%
Xero Ltd	0.16%
Allkem Ltd	0.13%
Investore Property Limited	0.12%
Pushpay Holdings Ltd	0.09%
Wesfarmers Limited	0.07%
Stride Property Ltd and Stride Invest Mgmt Ltd	0.07%
Total	12.45%
International equities	
Microsoft Corp	1.74%
Alphabet Inc Class A	0.61%
Group2	0.60%
Alphabet Inc Class C	0.58%
Tesla Inc	0.50%
Nvidia Corp	0.38%
Procter & Gamble	0.37%
Taiwan Semiconductor Manufacturing Co. Ltd	0.34%
Visa Inc Class A	0.32%
Thermo Fisher Scientific Inc	0.31%
Coca-Cola	0.28%
Abbvie Inc	0.28%
Eli Lilly	0.27%
Mastercard Inc Class A	0.27%
Pepsico Inc	0.25%
Home Depot Inc	0.24%
Tencent Holdings Ltd	0.24%
Adobe Inc	0.23%
Salesforce Inc	0.22%
Astrazeneca Plc	0.21%
Hsbc Holdings Plc	0.20%
Roche Holding Par AG	0.20%
Alibaba Group Holding Ltd	0.18%
Verizon Communications Inc	0.18%
Cisco Systems Inc	0.17%
Accenture Plc Class A	0.17%
ASML Holding NV	0.17%
Danaher Corp	0.17%
Novo Nordisk Class B	0.16%
Intel Corporation Corp	0.15%
Intuit Inc	0.15%
Walt Disney	0.15%
Servicenow Inc	0.15%
Amgen Inc	0.14%
Toyota Motor Corp	0.14%
Linde Plc	0.14%
Texas Instrument Inc	0.14%
International Business Machines Co	0.14%
Abbott Laboratories	0.13%
Unilever Plc	0.12%
S&P Global Inc	0.11%
United Parcel Service Inc Class B	0.11%
Elevance Health Inc	0.11%
Apple Inc	0.11%
Lowes Companies Inc	0.11%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Aia Group Ltd	0.11%
Nike Inc Class B	0.11%
Becton Dickinson	0.11%
Toronto Dominion	0.10%
American Tower Reit Corp	0.10%
Automatic Data Processing Inc	0.10%
Caterpillar Inc	0.09%
Sony Group Corp	0.09%
Sap	0.09%
Meituan	0.09%
Colgate-Palmolive	0.09%
Edwards Lifesciences Corp	0.09%
Morgan Stanley	0.09%
Amazon Com Inc	0.09%
Chubb Ltd	0.09%
Medtronic Plc	0.08%
Cigna Corp	0.08%
Zoetis Inc Class A	0.08%
BlackRock Inc	0.08%
Charles Schwab Corp	0.08%
Kimberly Clark Corp	0.08%
Applied Material Inc	0.08%
American Express	0.08%
Gilead Sciences Inc	0.08%
Deere	0.08%
Starbucks Corp	0.07%
Vertex Pharmaceuticals Inc	0.07%
Prologis REIT Inc	0.07%
Bnp Paribas Sa	0.07%
Johnson & Johnson	0.07%
Loreal SA	0.07%
Sika Ag	0.07%
Target Corp	0.07%
Regeneron Pharmaceuticals Inc	0.07%
Allianz	0.07%
Marsh & McLennan Inc	0.07%
Synopsys Inc	0.07%
Oracle Corp	0.06%
CME Group Inc Class A	0.06%
Vinci Sa	0.06%
Crown Castle International Reit Co	0.06%
Booking Holdings Inc	0.06%
Pnc Financial Services Group Inc	0.06%
Bank Of Nova Scotia	0.06%
Illinois Tool Inc	0.06%
TJX Inc	0.06%
Autodesk Inc	0.06%
Unitedhealth Group Inc	0.06%
Crh Plc	0.06%
Lair Liquide Societe Anonyme Pour	0.06%
Progressive Corp	0.06%
Lam Research Corp	0.06%
Sherwin Williams	0.06%
Cadence Design Systems Inc	0.06%
Truist Financial Corp	0.06%
Humana Inc	0.06%
Lloyds Banking Group Plc	0.06%
China Construction Bank Corp H	0.06%
Waste Management Inc	0.05%
Schneider Electric	0.05%
Relx Plc	0.05%
Vestas Wind Systems	0.05%
CSX Corp	0.05%
Reckitt Benckiser Group Plc	0.05%
Bank Of Montreal	0.05%
Baxter International Inc	0.05%
Ing Groep Nv	0.05%
Estee Lauder Inc Class	0.05%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Equinix Reit Inc	0.05%
Electronic Arts Inc	0.05%
Aon Plc Class A	0.05%
Centene Corp	0.05%
General Mills Inc	0.05%
Roper Technologies Inc	0.05%
Compagnie Financiere Richemont SA	0.05%
Prosus NV	0.05%
Idexx Laboratories Inc	0.05%
Ecolab Inc	0.05%
Norfolk Southern Corp	0.05%
Intercontinental Exchange Inc	0.05%
Dexcom Inc	0.05%
Meta Platforms Inc Class A	0.04%
Intesa Sanpaolo	0.04%
KDDI Corp	0.04%
Vodafone Group Plc	0.04%
Eaton Plc	0.04%
Banco Bilbao Vizcaya Argentaria Sa	0.04%
Tokyo Electron Ltd	0.04%
Aflac Inc	0.04%
Enphase Energy Inc	0.04%
Nintendo Ltd	0.04%
Nordea Bank	0.04%
Newmont	0.04%
Daiichi Sankyo Ltd	0.04%
Iqvia Holdings Inc	0.04%
Hca Healthcare Inc	0.04%
Hitachi Ltd	0.04%
Axa SA	0.04%
Nxp Semiconductors Nv	0.04%
Compass Group Plc	0.04%
Moodys Corp	0.04%
Intuitive Surgical Inc	0.04%
Canadian Imperial Bank of Commerce	0.04%
ABB Ltd	0.04%
Geberit Ag	0.04%
Nutrien Ltd	0.04%
Essilorluxottica SA	0.04%
Ansys Inc	0.04%
Church And Dwight Inc	0.04%
Vmware Class A Inc	0.04%
Baidu Class A Inc	0.04%
Recruit Holdings Ltd	0.04%
Pfizer Inc	0.04%
Travelers Companies Inc	0.04%
Activision Blizzard Inc	0.04%
Agilent Technologies Inc	0.03%
Prudential Plc	0.03%
Motorola Solutions Inc	0.03%
Mccormick & Co Non-Voting Inc	0.03%
Ppg Industries Inc	0.03%
DBS Group Holdings Ltd	0.03%
Daikin Industries Ltd	0.03%
Lonza Group AG	0.03%
Solaredge Technologies Inc	0.03%
T Rowe Price Group Inc	0.03%
Hp Inc	0.03%
SK Hynix Inc	0.03%
West Pharmaceutical Services Inc	0.03%
Kering SA	0.03%
Netease Inc	0.03%
Boston Scientific Corp	0.03%
Nucor Corp	0.03%
Hormel Foods Corp	0.03%
Ww Grainger Inc	0.03%
Prudential Financial Inc	0.03%
Stryker Corp	0.03%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Cvs Health Corp	0.03%
Steris	0.03%
Welltower Inc	0.03%
Clorox	0.03%
Bank Of New York Mellon Corp	0.03%
Danone SA	0.03%
Shopify Subordinate Voting Inc Class A	0.03%
Fanuc Corp	0.03%
International Flavors & Fragrances	0.03%
M&T Bank Corp	0.03%
Biogen Inc	0.03%
Johnson Controls International Plc	0.03%
Amcor Plc	0.03%
Sba Communications Reit Corp	0.03%
Allstate Corp	0.03%
Arthur J Gallagher	0.03%
MediaTek Inc	0.03%
Genuine Parts	0.03%
China Merchants Bank Ltd	0.03%
Illumina Inc	0.03%
Lululemon Athletica Inc	0.03%
Holcim Ltd Ag	0.03%
Keurig Dr Pepper Inc	0.03%
Merck & Co Inc	0.03%
Palo Alto Networks Inc	0.03%
Byd Ltd	0.03%
Deutsche Boerse AG	0.03%
Hoya Corp	0.03%
Hilton Worldwide Holdings Inc	0.03%
Wuxi Biologics Cayman Inc	0.03%
Rockwell Automation Inc	0.03%
Givaudan SA	0.03%
Splunk Inc	0.03%
Waste Connections Inc	0.03%
Itochu Corp	0.03%
Mettler Toledo Inc	0.03%
SoftBank Corp	0.03%
Amerisourcebergen Corp	0.03%
Compagnie De Saint Gobain Sa	0.03%
Cincinnati Financial Corp	0.03%
Dover Corp	0.03%
Qualcomm Inc	0.03%
Carrier Global Corp	0.03%
Daiwa House Industry Ltd	0.03%
Hologic Inc	0.03%
First Republic Bank	0.03%
Adidas N AG	0.03%
Murata Manufacturing Ltd	0.03%
Trane Technologies Plc	0.03%
Warner Bros. Discovery Inc	0.03%
Paccar Inc	0.03%
Otis Worldwide Corp	0.03%
Astellas Pharma Inc	0.03%
Cardinal Health Inc	0.03%
East Japan Railway	0.03%
Banco Santander Sa	0.03%
Keysight Technologies Inc	0.03%
Plug Power Inc	0.03%
Verisk Analytics Inc	0.03%
Take Two Interactive Software Inc	0.03%
Fast Retailing Ltd	0.02%
Assa Abloy B	0.02%
Svb Financial Group	0.02%
MercadoLibre Inc	0.02%
Societe Generale Sa	0.02%
Republic Services Inc	0.02%
Advanced Micro Devices Inc	0.02%
Fastenal	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
American Water Works Inc	0.02%
Fortive Corp	0.02%
Vf Corp	0.02%
Broadcom Inc	0.02%
Ebay Inc	0.02%
Cummins Inc	0.02%
Ameriprise Finance Inc	0.02%
Koninklijke Ahold Delhaize NV	0.02%
Nibe Industrier Class B	0.02%
Sysco Corp	0.02%
Wolters Kluwer NV	0.02%
Bank Central Asia	0.02%
Insulet Corp	0.02%
Discover Financial Services	0.02%
KKR and Co Inc	0.02%
Dnb Bank	0.02%
Laboratory Corporation Of America	0.02%
Fortinet Inc	0.02%
Aptiv Plc	0.02%
Northern Trust Corp	0.02%
Old Dominion Freight Line	0.02%
Essity Class B	0.02%
CBRE Group Inc Class A	0.02%
Citrix Systems Inc	0.02%
Ferguson Plc	0.02%
Atlas Copco Class A	0.02%
BMW AG	0.02%
Ross Stores Inc	0.02%
Umicore Sa	0.02%
Orange SA	0.02%
Industria De Diseno Textil Inditex	0.02%
Swiss Re AG	0.02%
Barclays Plc	0.02%
Open Text Corp	0.02%
Bristol Myers Squibb	0.02%
Li Auto Adr Inc	0.02%
Archer Daniels Midland	0.02%
Weyerhaeuser REIT	0.02%
Koninkilijke Dsm NV	0.02%
Kellogg	0.02%
Crowdstrike Holdings Inc Class A	0.02%
Intact Financial Corp	0.02%
Nortonlifelock Inc	0.02%
Sse Plc	0.02%
Panasonic Holdings Corp	0.02%
Fujitsu Ltd	0.02%
Naver Corp	0.02%
Samsung SDI Ltd	0.02%
Copart Inc	0.02%
D R Horton Inc	0.02%
Citizens Financial Group Inc	0.02%
Tractor Supply	0.02%
State Street Corp	0.02%
Ball Corp	0.02%
Kbc Groep	0.02%
Hubspot Inc	0.02%
Assa Abloy AB	0.02%
United Overseas Bank Ltd	0.02%
Pentair	0.02%
Contemporary Amperex Technology Lt	0.02%
Kingspan Group Plc	0.02%
Regions Financial Corp	0.02%
Willis Towers Watson Plc	0.02%
Merck	0.02%
Yum China Holdings Inc	0.02%
Ashtead Group Plc	0.02%
Huntington Bancshares Inc	0.02%
Legal And General Group Plc	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Sampo	0.02%
Abiomed Inc	0.02%
Chocoladefabriken Lindt & Spruengli AG	0.02%
Franklin Resources Inc	0.02%
Hartford Financial Services Group	0.02%
Teleflex Inc	0.02%
Ericsson B	0.02%
National Bank Of Canada	0.02%
A O Smith Corp	0.02%
West Fraser Timber Ltd	0.02%
Keycorp	0.02%
Agnico Eagle Mines Ltd	0.02%
Wh Group Ltd	0.02%
Ulta Beauty Inc	0.02%
China Mengniu Dairy Ltd	0.02%
Fujifilm Holdings Corp	0.02%
Ventas Reit Inc	0.02%
Gsk	0.02%
Perkinelmer Inc	0.02%
Genmab	0.02%
Eiffage Sa	0.02%
Kao Corp	0.02%
Align Technology Inc	0.02%
Brown Forman Corp Class B	0.02%
Walgreen Boots Alliance Inc	0.02%
Komatsu Ltd	0.02%
Hewlett Packard Enterprise	0.02%
Xylem Inc	0.02%
A P Moller Maersk	0.02%
Compagnie Generale Des Etablisseme	0.02%
Orix Corp	0.02%
Horizon Therapeutics Public Plc	0.02%
Chugai Pharmaceutical Ltd	0.02%
Bouygues Sa	0.02%
Cooper Inc	0.02%
Mckesson Corp	0.02%
Conagra Brands Inc	0.02%
Legrand SA	0.02%
Novartis Ag	0.02%
Diageo Plc	0.02%
Dai-Ichi Life Holdings Inc	0.02%
Water Corp	0.02%
Catalent Inc	0.02%
Nasdaq Inc	0.02%
Xinyi Solar Holdings Ltd	0.02%
Bt Group Plc	0.02%
Ferrovial Sa	0.02%
Mosaic	0.02%
Kla Corp	0.02%
Quest Diagnostics Inc	0.02%
Workday Inc Class A	0.02%
Quanta Services Inc	0.02%
Molina Healthcare Inc	0.02%
Banco Bradesco Pref SA	0.02%
Martin Marietta Materials Inc	0.02%
Teleperformance	0.02%
Kakao Corp	0.02%
Link Real Estate Investment Trust	0.02%
Uni-President Enterprises Corp	0.02%
Sandvik	0.02%
Longi Green Energy Technology Ltd	0.02%
First Solar Inc	0.01%
Zimmer Biomet Holdings Inc	0.01%
United Rentals Inc	0.01%
Incyte Corp	0.01%
Thomson Reuters Corp	0.01%
Biomarin Pharmaceutical Inc	0.01%
Arch Capital Group Ltd	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Zebra Technologies Corp Class A	0.01%
Bunge Ltd	0.01%
Ingersoll Rand Inc	0.01%
Sonova Holding AG	0.01%
Shiseido Ltd	0.01%
Raymond James Inc	0.01%
Wheaton Precious Metals Corp	0.01%
Dollarama Inc	0.01%
Datadog Inc Class A	0.01%
Veolia Environ. SA	0.01%
Albemarle Corp	0.01%
Magna International Inc	0.01%
Omron Corp	0.01%
United Micro Electronics Corp	0.01%
Mondelez International Inc Class A	0.01%
Principal Financial Group Inc	0.01%
Bio Techne Corp	0.01%
Transunion	0.01%
Waters Corp	0.01%
Zoom Video Communications Inc Clas	0.01%
China Resources Land Ltd	0.01%
Heidelbergcement Ag	0.01%
Lpl Financial Holdings Inc	0.01%
Rogers Communications Non-Voting I	0.01%
International Paper	0.01%
Mitsubishi Estate Co Ltd	0.01%
Air Products And Chemicals Inc	0.01%
Trimble Inc	0.01%
Chubu Electric Power Inc	0.01%
Mcdonalds Corp	0.01%
Kerry Group Plc	0.01%
Pearson Plc	0.01%
Expeditors International Of Washington Inc	0.01%
Expeditors International Of Washin	0.01%
Shionogi Ltd	0.01%
Ptc Inc	0.01%
WR Berkley Corp	0.01%
FactSet Research Systems Inc	0.01%
Synchrony Financial	0.01%
Standard Chartered Plc	0.01%
Byd Ltd A	0.01%
Pool Corp	0.01%
Fubon Financial Holding Ltd	0.01%
Healthpeak Properties Inc	0.01%
Xpeng Adr Representing Inc	0.01%
Symrise AG	0.01%
Realty Income Reit Corp	0.01%
Upm-Kymmene	0.01%
Cognex Corp	0.01%
Zendesk Inc	0.01%
SGS SA	0.01%
Kubota Corp	0.01%
Cintas Corp	0.01%
Chunghwa Telecom Ltd	0.01%
China Yangtze Power Ltd A	0.01%
CTBC Financial Holding Ltd	0.01%
Swiss Life Holding AG	0.01%
Sunrun Inc	0.01%
Power Corporation Of Canada	0.01%
KB Financial Group Inc	0.01%
Boston Properties Reit Inc	0.01%
Wpp Plc	0.01%
Coloplast B	0.01%
Generac Holdings Inc	0.01%
Straumann Holding AG	0.01%
Dominos Pizza Inc	0.01%
Yaskawa Electric Corp	0.01%
Singapore Telecommunications Ltd	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
3M	0.01%
Marubeni Corp	0.01%
Best Buy Inc	0.01%
Shinhan Financial Group Ltd	0.01%
Edp Renovaveis Sa	0.01%
Grupo Finance Banorte	0.01%
Delta Electronics Inc	0.01%
Brown & Brown Inc	0.01%
CarMax Inc	0.01%
China Merchants Bank Ltd A	0.01%
Sompo Holdings Inc	0.01%
Glencore Plc	0.01%
Public Bank	0.01%
BOC Hong Kong Holdings Ltd	0.01%
Microchip Technology Inc	0.01%
TDK Corp	0.01%
Rentokil Initial Plc	0.01%
Booz Allen Hamilton Holding Corp C	0.01%
Ping An Insurance (Group) Of China	0.01%
Novozymes B	0.01%
Kuehne und Nagel International AG	0.01%
Bank Leumi Le Israel	0.01%
Campbell Soup	0.01%
Atlas Copco Class B	0.01%
Hang Seng Bank Ltd	0.01%
NN Group NV	0.01%
E.Sun Financial Holding Ltd	0.01%
MS&AD Insurance Group Holdings Inc	0.01%
Unicredit	0.01%
Cathay Financial Holding Ltd	0.01%
Idex Corp	0.01%
Howmet Aerospace Inc	0.01%
LKQ Corp	0.01%
Akzo Nobel NV	0.01%
Jazz Pharmaceuticals Plc	0.01%
Federal Realty Investment Trust Re	0.01%
Henry Schein Inc	0.01%
Nan Ya Plastics Corp	0.01%
Trade Desk Inc Class A	0.01%
United Utilities Group Plc	0.01%
Contemporary Amperex Technology Ltd	0.01%
China Overseas Land Investment Ltd	0.01%
Alleghany Corp	0.01%
CH Robinson Worldwide Inc	0.01%
Fomento Economico Mexicano	0.01%
Croda International Plc	0.01%
Rio Tinto Plc	0.01%
Informa Plc	0.01%
Walmart Inc	0.01%
Mega Financial Holding Ltd	0.01%
Steel Dynamics Inc	0.01%
Celanese Corp	0.01%
Verbund Ag	0.01%
WSP Global Inc	0.01%
Commerzbank Ag	0.01%
Eisai Ltd	0.01%
AEON Ltd	0.01%
Essex Property Trust Reit Inc	0.01%
Cboe Global Markets Inc	0.01%
Nomura Holdings Inc	0.01%
Hasbro Inc	0.01%
Stanley Black & Decker Inc	0.01%
Svenska Cellulosa B	0.01%
Webster Financial Corp	0.01%
Metro Inc	0.01%
Palantir Technologies Inc Class A	0.01%
Rohm Ltd	0.01%
Sysmex Corp	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Delivery Hero	0.01%
Yunnan Energy New Materials Ltd A	0.01%
Chr Hansen Holding	0.01%
Mtr Corporation Corp Ltd	0.01%
Telekomunikasi Indonesia	0.01%
China Steel Corp	0.01%
Snap Inc Class A	0.01%
Unicharm Corp	0.01%
Jb Hunt Transport Services	0.01%
Segro Reit Plc	0.01%
Nippon Yusen	0.01%
Terna Rete Elettrica Nazionale	0.01%
Mowi	0.01%
Natwest Group Plc	0.01%
Henkel & KGaA Pref AG	0.01%
CNH Industrial NV	0.01%
Masco Corp	0.01%
Interpublic Group Of Companies Inc	0.01%
Novocure Ltd	0.01%
Coca Cola European Partners Plc	0.01%
Telus Corp	0.01%
Westrock	0.01%
Paypal Holdings Inc	0.01%
Nippon Steel Corp	0.01%
Ally Financial Inc	0.01%
Spirax-Sarco Engineering Plc	0.01%
Deutsche Bank Ag	0.01%
Next Plc	0.01%
Brenntag SE	0.01%
Advance Auto Parts Inc	0.01%
Netflix Inc	0.01%
Assurant Inc	0.01%
Intercontinental Hotels Group Plc	0.01%
First Financial Holding Ltd	0.01%
Pultegroup Inc	0.01%
Analog Devices Inc	0.01%
CP All Non-Voting Dr Pcl	0.01%
Nitto Denko Corp	0.01%
Publicis Groupe SA	0.01%
Smurfit Kappa Group Plc	0.01%
Intertek Group Plc	0.01%
Daifuku Ltd	0.01%
Mtu Aero Engines Holding Ag	0.01%
Daqo New Energy Adr Representing	0.01%
Ajinomoto Inc	0.01%
Koninklijke KPN NV	0.01%
Skandinaviska Enskilda Banken	0.01%
Siemens Gamesa Renewable Energy Sa	0.01%
Sekisui House Ltd	0.01%
Wuliangye Yibin Ltd A	0.01%
Snap On Inc	0.01%
Teradyne Inc	0.01%
Severn Trent Plc	0.01%
Epiroc Class A	0.01%
Carrefour SA	0.01%
Telia Company	0.01%
Saputo Inc	0.01%
Hanwha Solutions Corp	0.01%
Zoominfo Technologies Inc	0.01%
Acciona Sa	0.01%
Guidewire Software Inc	0.01%
Siam Cement Non-Voting Dr Pcl	0.01%
Corteva Inc	0.01%
CSPC Pharmaceutical Group Ltd	0.01%
Novo Nordisk Class B	0.01%
Cameco Corp	0.01%
Hana Financial Group Inc	0.01%
Burberry Group Plc	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Mondi Plc	0.01%
Allegion Plc	0.01%
WEG SA	0.01%
Snowflake Class A	0.01%
Sumitomo Mitsui Trust Holdings Inc	0.01%
Lumen Technologies Inc	0.01%
Dassault Systemes	0.01%
Ametek Inc	0.01%
Caixabank Sa	0.01%
Longfor Group Holdings Ltd	0.01%
Hennes & Mauritz	0.01%
St James Place Plc	0.01%
Tyler Technologies Inc	0.01%
Boliden	0.01%
West Japan Railway	0.01%
CapitaLand Integrated Commercial Trust	0.01%
BorgWarner Inc	0.01%
Paycom Software Inc	0.01%
Country Garden Services Holdings Co. Ltd	0.01%
Malayan Banking	0.01%
Monster Beverage Corp	0.01%
Constellation Brands Inc Class A	0.01%
Worldline Sa	0.01%
Chailease Holding Ltd	0.01%
Asahi Kasei Corp	0.01%
Cdk Global Inc	0.01%
Fortune Brands Home And Security Inc	0.01%
Annaly Capital Management Reit Inc	0.01%
Resona Holdings Inc	0.01%
Powszechna Kasa Oszczednosci Bank	0.01%
Sumitomo Metal Mining Ltd	0.01%
MarketAxess Holdings Inc	0.01%
George Weston Ltd	0.01%
Gea Group Ag	0.01%
Berkeley Group Holdings (The) Plc	0.01%
Ss And C Technologies Holdings Inc	0.01%
Taiwan Cooperative Financial Holdings	0.01%
Keyence Corp	0.01%
Bangkok Dusit Medical Services	0.01%
Norsk Hydro	0.01%
Skanska B	0.01%
Dentsply Sirona Inc	0.01%
Nomura Research Institute Ltd	0.01%
Hydro One Ltd	0.01%
Bio Rad Laboratories Inc Class A	0.01%
Anglo American Plc	0.01%
Micron Technology Inc	0.01%
Z Holdings Corp	0.01%
Beiersdorf AG	0.01%
Telenor	0.01%
Associated British Foods Plc	0.01%
Vail Resorts Inc	0.01%
Hershey Foods	0.01%
Burlington Stores Inc	0.01%
Credicorp Ltd	0.01%
Hexagon Class B	0.01%
Robert Half	0.01%
Sumitomo Realty & Development Ltd	0.01%
Neurocrine Biosciences Inc	0.01%
Lincoln National Corp	0.01%
Elisa	0.01%
Zscaler Inc	0.01%
Wuxi Apptec Ltd A	0.01%
Bureau Veritas SA	0.01%
Shimadzu Corp	0.01%
NTT Data Corp	0.01%
Digital Realty Trust Reit Inc	0.01%
Toray Industries Inc	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Acs Actividades De Construccion Y	0.01%
Svenska Handelsbanken-A Shs	0.01%
Airports Of Thailand Non-Voting Dr	0.01%
Elanco Animal Health Inc	0.01%
Stora Enso Class R	0.01%
Toto Ltd	0.01%
Newell Brands Inc	0.01%
Evergreen Marine Corp (Taiwan) Ltd	0.01%
Toyota Industries Corp	0.01%
Vivendi	0.01%
Rollins Inc	0.01%
Garmin Ltd	0.01%
Credit Agricole Sa	0.01%
Fidelity National Information Serv	0.01%
Docusign Inc	0.01%
Lear Corp	0.01%
Red Electrica SA	0.01%
Brookfield Renewable Subordinate V	0.01%
Industrial Bank Ltd A	0.01%
Owens Corning	0.01%
Land Securities Group Reit Plc	0.01%
Leg Immobilien N	0.01%
Mitsubishi Chemical Group Corp	0.01%
Cable One Inc	0.01%
Sage Group Plc	0.01%
Knight-Swift Transportation Holdin	0.01%
Imcd Nv	0.01%
Kingfisher Plc	0.01%
Fiserv Inc	0.01%
China Vanke Ltd A	0.01%
Toromont Industries Ltd	0.01%
Taiwan Mobile Ltd	0.01%
Sungrow Power Supply Ltd A	0.01%
Yokogawa Electric Corp	0.01%
East Money Information Ltd A	0.01%
Lennox International Inc	0.01%
Swedbank	0.01%
Bill Com Holdings Inc	0.01%
Aspen Technology Inc	0.01%
Taiwan Cement Corp	0.01%
Prysmian	0.01%
Nippon Building Fund Reit Inc	0.01%
Tfi International Inc	0.01%
Alfa Laval	0.01%
Sensata Technologies Holding Plc	0.01%
Fair Isaac Corp	0.01%
Canadian Tire Ltd Class	0.01%
Puma	0.01%
Moderna Inc	0.01%
Asustek Computer Inc	0.01%
Shanghai Commercial Ltd	0.01%
Kesko Class B	0.01%
Voya Financial Inc	0.01%
Ritchie Bros Auctioneers Inc	0.01%
Antofagasta Plc	0.01%
Barratt Developments	0.01%
First Interstate Bancsystem Inc Cl	0.01%
Alstom Sa	0.01%
First Bancorp	0.01%
Advantest Corp	0.01%
Klepierre REIT SA	0.01%
Yakult Honsha Ltd	0.01%
Kikkoman Corp	0.01%
Unibail-Rodamco-Westfield Stapled Units	0.01%
Black Knight Inc	0.01%
Azbil Corp	0.01%
Hankyu Hanshin Holdings Inc	0.01%
London Stock Exchange Group Plc	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
First Horizon Corp	0.01%
Solvay SA	0.01%
Popular Inc	0.01%
Carlyle Group Inc	0.01%
Tyson Foods Inc Class A	0.01%
Whitbread Plc	0.01%
Nidec Corp	0.01%
Vifor N . Linie Ag	0.01%
Exact Sciences Corp	0.01%
LG Electronics Inc	0.01%
Bloom Energy Class A Corp	0.01%
Renesas Electronics Corp	0.01%
CIMB Group Holdings	0.01%
Lenovo Group Ltd	0.01%
HKT Trust & HKT Ltd	0.01%
Kraft Heinz	0.01%
Umb Financial Corp	0.01%
Nissin Foods Holdings Ltd	0.01%
Nippon Paint Holdings Ltd	0.01%
Sumitomo Chemical Ltd	0.01%
Citic Ltd	0.01%
Hotai Motor Ltd	0.01%
Tcl Zhonghuan Renewable Energy Tec	0.01%
Ormat Tech Inc	0.01%
Randstad Holding	0.01%
Pandora	0.01%
Prosperity Bancshares Inc	0.01%
Sinopac Financial Holdings Ltd	0.01%
Elastic Nv	0.01%
Advanced Info Service Non-Voting D	0.01%
Nio American Depositary Shares Rep	0.01%
Essent Group Ltd	0.01%
Signify Nv	0.01%
Elia Group SA	0.01%
SKF B	0.01%
Zhejiang Huayou Cobalt Ltd A	0.01%
LG Corp	0.01%
Creditors	-0.26%
Total	26.91%
Grand Total	**100%**

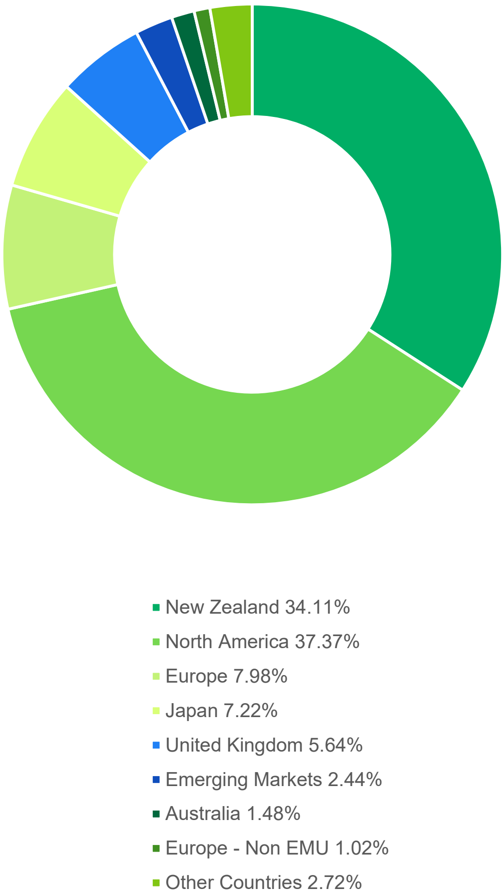
MAS KiwiSaver Scheme

Conservative Fund Holdings

As at 30 June 2022

Asset Class & Holdings Region	% Portfolio
Cash and cash equivalents	
New Zealand	13.73%
Other	0.08%
Total	13.81%
New Zealand fixed interest	
New Zealand	16.89%
Total	16.89%
International fixed interest	
North America	27.43%
Japan	6.43%
Europe	6.71%
United Kingdom	4.95%
Emerging Markets	1.67%
Europe - Non EMU	0.69%
New Zealand	0.03%
Australia	-0.26%
Other Countries	2.11%
Total	49.78%
Australasian equities	
New Zealand	4.19%
Australia	1.77%
Total	5.96%
International equities	
North America	9.88%
Europe	1.27%
Japan	0.78%
Emerging Markets	0.75%
United Kingdom	0.69%
Europe - Non EMU	0.33%
Australia	-0.01%
New Zealand	-0.73%
Other Countries	0.60%
Total	14.26%
Grand Total	**100%**

Regional Asset Class Allocation



Notes:

1. Fund holdings are current as at 30 June 2022. Future holdings may be different from those stated. Investments are managed in accordance with the MAS KiwiSaver Scheme's SIPO, available on the MAS website at **mas.co.nz/Kiwisaver**
2. For holdings by region:
   a. 'Other countries' includes any other region not named.
   b. For Cash and cash equivalents, regions other than New Zealand have been grouped as 'Other'.
   c. EMU is the European Economic and Monetary Union.
   d. All holdings have been rounded to 2 decimal places, so the sum of holdings may not always total to 100.00%.
3. For full holdings:
   a. Holdings less than 0.01% have been grouped as 'Other'.
4. Creditors are shown as negative holdings, which may include any currency hedging positions in place for the Fund.
5. Medical Funds Management Limited is the issuer of the MAS KiwiSaver Scheme. The PDS for the MAS KiwiSaver Scheme is available on the MAS website at **mas.co.nz/kiwisaver**

Asset Class & Holdings	% of fund net assets
Cash and cash equivalents	
JBWere Premium Custody Call Account - NZD	7.04%
Westpac On Term @ 1.420% 13/07/2022	1.33%
BNZ On Term @ 1.86% 27/10/2022	0.61%
WSTP Term Deposit 1.600% 26/08/2021 26/08/2022	0.57%
RABOBK Term Deposit 1.550% 01/09/2021 01/09/2022	0.57%
CCB Term Deposit 3.7% 17/06/2022 19/06/2023	0.56%
Westpac On Term @ 1.550% 01/09/2022	0.51%
WSTP Term Deposit 1.530% 02/08/2021 02/08/2022	0.45%
China Construction Bank On Term @ 3.4% 10/05/2023	0.40%
ASB On Term @ 4.070% 28/06/2023	0.34%
ANZ On Term @ 1.800% 07/11/2022	0.31%
BNZ On Term @ 2.23% 28/12/2022	0.31%
Kiwibank On Term @ 3% 10/05/2023	0.30%
Kiwibank On Term @ 1.850% 02/08/2022	0.20%
ASBBNK Term Deposit 3.5% 13/06/2022 13/06/2023	0.20%
WSTP Term Deposit 2.620% 15/02/2022 15/02/2023	0.11%
USD Cash	0.06%
Debtors	0.02%
JPY Cash	0.01%
HKD Cash	0.01%
AUD Cash	0.01%
TWD Cash	0.01%
Creditors	-0.10%
Total	13.81%
New Zealand fixed interest	
BNZ 4.985% 07/06/2027	3.25%
Vector Ltd 4.996% 14/03/2024	1.76%
Chorus Ltd 4.35% 06/12/2028	1.68%
NZ Govt 1.5% 15/05/2031	1.62%
Westpac NZ 3.696% 16/02/27	1.61%
ASB 5.524% 21/06/2027	1.09%
AIANZ 3.29% 17/11/2026	0.86%
WSTP 1.439% 02/24/26	0.80%
ANZNZ 2.999% 17/09/2031	0.72%
ANZNZ 3.03% 20/03/2024	0.69%
IFTNZ 3.50% 15/12/2029	0.67%
Quayside Holding (QHLNZ) 10% Series	0.49%
BNZ 2.16% 29/01/2025	0.48%
AIANZ 3.51% 10/10/2024	0.33%
ASBBNK 1.646% 04/05/2026	0.20%
CHURC 3.01% 05/11/2026	0.16%
KIWI 2.635% 05/10/2026	0.15%
ASBBNK 1.83% 08/19/2024	0.12%
CHURC 3.58% 27/11/2024	0.11%
WSTP 2.083% 20/02/2025	0.11%
Total	16.89%
International fixed interest	
Hunter Global Fixed Interest Fund	49.78%
Total	49.78%
Australasian equities	
Infratil Ltd	0.66%
Fisher & Paykel Healthcare Ltd	0.45%
Meridian Energy Limited	0.38%
Mainfreight Ltd	0.37%
Ebos Group Ltd	0.30%
Spark New Zealand Ltd	0.28%
Auckland International Airport Ltd	0.27%
National Australia Bank Ltd	0.25%
Fletcher Building Ltd	0.25%
CSL Limited	0.20%
NEXTDC Ltd	0.20%
A2 Milk Company Ltd	0.20%
Macquarie Group Ltd	0.19%
Mercury NZ Limited	0.17%
Chorus Ltd	0.17%

Asset Class & Holdings	% of fund net assets
Australasian equities (continued)	
Telstra Corp Ltd	0.15%
Coles Group Ltd	0.14%
Ramsay Health Care Ltd	0.14%
News Corp-CDI Class B	0.13%
Port of Tauranga Ltd	0.13%
Resmed Inc	0.12%
Summerset Group Holdings Ltd	0.12%
Freightways Ltd	0.10%
Block Inc - CDI	0.10%
Ryman Healthcare Ltd	0.09%
Oceania Healthcare Limited	0.09%
Xero Ltd	0.08%
Allkem Ltd	0.06%
Investore Property Limited	0.06%
Pushpay Holdings Ltd	0.04%
Wesfarmers Limited	0.03%
Stride Property Ltd and Stride Invest Mgmt Ltd	0.03%
Total	5.96%
International equities	
Microsoft Corp	0.87%
Alphabet Inc Class A	0.31%
Group2	0.30%
Alphabet Inc Class C	0.29%
Tesla Inc	0.25%
Nvidia Corp	0.19%
Procter & Gamble	0.19%
Taiwan Semiconductor Manufacturing Co. Ltd	0.17%
Visa Inc Class A	0.16%
Thermo Fisher Scientific Inc	0.16%
Coca-Cola	0.14%
Abbvie Inc	0.14%
Eli Lilly	0.14%
Mastercard Inc Class A	0.13%
Pepsico Inc	0.13%
Home Depot Inc	0.12%
Tencent Holdings Ltd	0.12%
Adobe Inc	0.12%
Salesforce Inc	0.11%
Astrazeneca Plc	0.10%
Roche Holding Par AG	0.10%
Hsbc Holdings Plc	0.10%
Alibaba Group Holding Ltd	0.09%
Verizon Communications Inc	0.09%
Cisco Systems Inc	0.09%
Accenture Plc Class A	0.09%
ASML Holding NV	0.08%
Danaher Corp	0.08%
Novo Nordisk Class B	0.08%
Intel Corporation Corp	0.08%
Intuit Inc	0.08%
Walt Disney	0.07%
Servicenow Inc	0.07%
Amgen Inc	0.07%
Toyota Motor Corp	0.07%
Linde Plc	0.07%
Texas Instrument Inc	0.07%
International Business Machines Co	0.07%
Abbott Laboratories	0.06%
Unilever Plc	0.06%
S&P Global Inc	0.06%
United Parcel Service Inc Class B	0.06%
Elevance Health Inc	0.06%
Apple Inc	0.06%
Lowes Companies Inc	0.06%
Aia Group Ltd	0.06%
Nike Inc Class B	0.06%
Becton Dickinson	0.05%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Toronto Dominion	0.05%
American Tower Reit Corp	0.05%
Automatic Data Processing Inc	0.05%
Caterpillar Inc	0.05%
Sony Group Corp	0.04%
Sap	0.04%
Meituan	0.04%
Colgate-Palmolive	0.04%
Edwards Lifesciences Corp	0.04%
Morgan Stanley	0.04%
Amazon Com Inc	0.04%
Chubb Ltd	0.04%
Medtronic Plc	0.04%
Cigna Corp	0.04%
Zoetis Inc Class A	0.04%
BlackRock Inc	0.04%
Charles Schwab Corp	0.04%
Kimberly Clark Corp	0.04%
Applied Material Inc	0.04%
American Express	0.04%
Gilead Sciences Inc	0.04%
Deere	0.04%
Starbucks Corp	0.04%
Vertex Pharmaceuticals Inc	0.04%
Prologis REIT Inc	0.04%
Bnp Paribas Sa	0.04%
Johnson & Johnson	0.04%
Loreal SA	0.04%
Sika Ag	0.04%
Regeneron Pharmaceuticals Inc	0.03%
Allianz	0.03%
Target Corp	0.03%
Marsh & McLennan Inc	0.03%
Synopsys Inc	0.03%
Oracle Corp	0.03%
CME Group Inc Class A	0.03%
Vinci Sa	0.03%
Crown Castle International Reit Co	0.03%
Pnc Financial Services Group Inc	0.03%
Illinois Tool Inc	0.03%
Autodesk Inc	0.03%
Unitedhealth Group Inc	0.03%
Booking Holdings Inc	0.03%
Bank Of Nova Scotia	0.03%
Crh Plc	0.03%
Lair Liquide Societe Anonyme Pour	0.03%
Progressive Corp	0.03%
Lam Research Corp	0.03%
Sherwin Williams	0.03%
Cadence Design Systems Inc	0.03%
Truist Financial Corp	0.03%
TJX Inc	0.03%
Humana Inc	0.03%
Lloyds Banking Group Plc	0.03%
China Construction Bank Corp H	0.03%
Waste Management Inc	0.03%
Schneider Electric	0.03%
Relx Plc	0.03%
Vestas Wind Systems	0.03%
CSX Corp	0.03%
Reckitt Benckiser Group Plc	0.03%
Bank Of Montreal	0.03%
Baxter International Inc	0.03%
Ing Groep Nv	0.03%
Estee Lauder Inc Class	0.03%
Equinix Reit Inc	0.03%
Electronic Arts Inc	0.02%
Aon Plc Class A	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Centene Corp	0.02%
General Mills Inc	0.02%
Roper Technologies Inc	0.02%
Compagnie Financiere Richemont SA	0.02%
Prosus NV	0.02%
Idexx Laboratories Inc	0.02%
Ecolab Inc	0.02%
Norfolk Southern Corp	0.02%
Intercontinental Exchange Inc	0.02%
Dexcom Inc	0.02%
Meta Platforms Inc Class A	0.02%
Intesa Sanpaolo	0.02%
KDDI Corp	0.02%
Vodafone Group Plc	0.02%
Eaton Plc	0.02%
Banco Bilbao Vizcaya Argentaria Sa	0.02%
Tokyo Electron Ltd	0.02%
Aflac Inc	0.02%
Enphase Energy Inc	0.02%
Nintendo Ltd	0.02%
Nordea Bank	0.02%
Newmont	0.02%
Daiichi Sankyo Ltd	0.02%
Stryker Corp	0.02%
Hormel Foods Corp	0.02%
Iqvia Holdings Inc	0.02%
Hca Healthcare Inc	0.02%
Hitachi Ltd	0.02%
Axa SA	0.02%
Nxp Semiconductors Nv	0.02%
Compass Group Plc	0.02%
Moodys Corp	0.02%
Intuitive Surgical Inc	0.02%
Canadian Imperial Bank of Commerce	0.02%
ABB Ltd	0.02%
Geberit Ag	0.02%
Nutrien Ltd	0.02%
Essilorluxottica SA	0.02%
Ansys Inc	0.02%
Church And Dwight Inc	0.02%
Vmware Class A Inc	0.02%
Baidu Class A Inc	0.02%
Recruit Holdings Ltd	0.02%
Pfizer Inc	0.02%
Travelers Companies Inc	0.02%
Activision Blizzard Inc	0.02%
Agilent Technologies Inc	0.02%
Prudential Plc	0.02%
Motorola Solutions Inc	0.02%
Mccormick & Co Non-Voting Inc	0.02%
Ppg Industries Inc	0.02%
DBS Group Holdings Ltd	0.02%
Daikin Industries Ltd	0.02%
Lonza Group AG	0.02%
Solaredge Technologies Inc	0.02%
T Rowe Price Group Inc	0.02%
Hp Inc	0.02%
SK Hynix Inc	0.02%
West Pharmaceutical Services Inc	0.02%
Kering SA	0.02%
Netease Inc	0.02%
Fanuc Corp	0.02%
Boston Scientific Corp	0.02%
Nucor Corp	0.02%
Ww Grainger Inc	0.02%
Prudential Financial Inc	0.02%
Cvs Health Corp	0.02%
Steris	0.02%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Welltower Inc	0.02%
Clorox	0.02%
Bank Of New York Mellon Corp	0.02%
Danone SA	0.02%
Shopify Subordinate Voting Inc Class A	0.02%
M&T Bank Corp	0.02%
Biogen Inc	0.01%
Johnson Controls International Plc	0.01%
Amcor Plc	0.01%
Sba Communications Reit Corp	0.01%
Allstate Corp	0.01%
Arthur J Gallagher	0.01%
MediaTek Inc	0.01%
Genuine Parts	0.01%
China Merchants Bank Ltd	0.01%
Illumina Inc	0.01%
Lululemon Athletica Inc	0.01%
Holcim Ltd Ag	0.01%
Keurig Dr Pepper Inc	0.01%
Merck & Co Inc	0.01%
Palo Alto Networks Inc	0.01%
Byd Ltd	0.01%
Deutsche Boerse AG	0.01%
Hoya Corp	0.01%
Hilton Worldwide Holdings Inc	0.01%
Wuxi Biologics Cayman Inc	0.01%
Rockwell Automation Inc	0.01%
Givaudan SA	0.01%
Splunk Inc	0.01%
Waste Connections Inc	0.01%
Itochu Corp	0.01%
Mettler Toledo Inc	0.01%
SoftBank Corp	0.01%
Amerisourcebergen Corp	0.01%
International Flavors & Fragrances	0.01%
Compagnie De Saint Gobain Sa	0.01%
Cincinnati Financial Corp	0.01%
Dover Corp	0.01%
Qualcomm Inc	0.01%
Carrier Global Corp	0.01%
Daiwa House Industry Ltd	0.01%
Hologic Inc	0.01%
First Republic Bank	0.01%
Murata Manufacturing Ltd	0.01%
Trane Technologies Plc	0.01%
Warner Bros. Discovery Inc	0.01%
Paccar Inc	0.01%
Otis Worldwide Corp	0.01%
Astellas Pharma Inc	0.01%
Cardinal Health Inc	0.01%
East Japan Railway	0.01%
Banco Santander Sa	0.01%
Keysight Technologies Inc	0.01%
Plug Power Inc	0.01%
Verisk Analytics Inc	0.01%
Take Two Interactive Software Inc	0.01%
Fast Retailing Ltd	0.01%
Assa Abloy B	0.01%
Svb Financial Group	0.01%
MercadoLibre Inc	0.01%
Societe Generale Sa	0.01%
Republic Services Inc	0.01%
Advanced Micro Devices Inc	0.01%
Fastenal	0.01%
Fortive Corp	0.01%
Vf Corp	0.01%
Ebay Inc	0.01%
Cummins Inc	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Ameriprise Finance Inc	0.01%
Koninklijke Ahold Delhaize NV	0.01%
Nibe Industrier Class B	0.01%
Sysco Corp	0.01%
Wolters Kluwer NV	0.01%
Bank Central Asia	0.01%
Insulet Corp	0.01%
Discover Financial Services	0.01%
KKR and Co Inc	0.01%
Dnb Bank	0.01%
Laboratory Corporation Of America	0.01%
Fortinet Inc	0.01%
Sse Plc	0.01%
Aptiv Plc	0.01%
Northern Trust Corp	0.01%
Old Dominion Freight Line	0.01%
Essity Class B	0.01%
CBRE Group Inc Class A	0.01%
Citrix Systems Inc	0.01%
Ferguson Plc	0.01%
Atlas Copco Class A	0.01%
BMW AG	0.01%
Ross Stores Inc	0.01%
Umicore Sa	0.01%
Orange SA	0.01%
Industria De Diseno Textil Inditex	0.01%
Swiss Re AG	0.01%
Fujitsu Ltd	0.01%
Barclays Plc	0.01%
Open Text Corp	0.01%
Bristol Myers Squibb	0.01%
Li Auto Adr Inc	0.01%
Archer Daniels Midland	0.01%
Weyerhaeuser REIT	0.01%
Koninkilijke Dsm NV	0.01%
Kellogg	0.01%
Crowdstrike Holdings Inc Class A	0.01%
Intact Financial Corp	0.01%
Ping An Insurance (Group) Of China	0.01%
Contemporary Amperex Technology Lt	0.01%
Essex Property Trust Reit Inc	0.01%
Broadcom Inc	0.01%
WSP Global Inc	0.01%
First Solar Inc	0.01%
Federal Realty Investment Trust Re	0.01%
Transunion	0.01%
Synchrony Financial	0.01%
Sompo Holdings Inc	0.01%
Adidas N AG	0.01%
Kingspan Group Plc	0.01%
Nippon Yusen	0.01%
Henry Schein Inc	0.01%
American Water Works Inc	0.01%
Naver Corp	0.01%
Samsung SDI Ltd	0.01%
Copart Inc	0.01%
D R Horton Inc	0.01%
Citizens Financial Group Inc	0.01%
Tractor Supply	0.01%
State Street Corp	0.01%
Ball Corp	0.01%
Kbc Groep	0.01%
Hubspot Inc	0.01%
Assa Abloy AB	0.01%
United Overseas Bank Ltd	0.01%
Pentair	0.01%
Regions Financial Corp	0.01%
Willis Towers Watson Plc	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Merck	0.01%
Yum China Holdings Inc	0.01%
Ashtead Group Plc	0.01%
Huntington Bancshares Inc	0.01%
Legal And General Group Plc	0.01%
Sampo	0.01%
Abiomed Inc	0.01%
Chocoladefabriken Lindt & Spruengli AG	0.01%
Franklin Resources Inc	0.01%
Hartford Financial Services Group	0.01%
Teleflex Inc	0.01%
Ericsson B	0.01%
National Bank Of Canada	0.01%
A O Smith Corp	0.01%
West Fraser Timber Ltd	0.01%
Keycorp	0.01%
Agnico Eagle Mines Ltd	0.01%
Wh Group Ltd	0.01%
Ulta Beauty Inc	0.01%
Nortonlifelock Inc	0.01%
China Mengniu Dairy Ltd	0.01%
Fujifilm Holdings Corp	0.01%
Ventas Reit Inc	0.01%
Gsk	0.01%
Perkinelmer Inc	0.01%
Genmab	0.01%
Eiffage Sa	0.01%
Kao Corp	0.01%
Align Technology Inc	0.01%
Brown Forman Corp Class B	0.01%
Walgreen Boots Alliance Inc	0.01%
Komatsu Ltd	0.01%
Hewlett Packard Enterprise	0.01%
Xylem Inc	0.01%
A P Moller Maersk	0.01%
Compagnie Generale Des Etablisseme	0.01%
Orix Corp	0.01%
Horizon Therapeutics Public Plc	0.01%
Chugai Pharmaceutical Ltd	0.01%
Bouygues Sa	0.01%
Cooper Inc	0.01%
Mckesson Corp	0.01%
Conagra Brands Inc	0.01%
Legrand SA	0.01%
Novartis Ag	0.01%
Diageo Plc	0.01%
Dai-Ichi Life Holdings Inc	0.01%
Water Corp	0.01%
Catalent Inc	0.01%
Panasonic Holdings Corp	0.01%
Nasdaq Inc	0.01%
Xinyi Solar Holdings Ltd	0.01%
Bt Group Plc	0.01%
Ferrovial Sa	0.01%
Mosaic	0.01%
Kla Corp	0.01%
Quest Diagnostics Inc	0.01%
Workday Inc Class A	0.01%
Quanta Services Inc	0.01%
Molina Healthcare Inc	0.01%
Banco Bradesco Pref SA	0.01%
Martin Marietta Materials Inc	0.01%
Teleperformance	0.01%
Kakao Corp	0.01%
Link Real Estate Investment Trust	0.01%
Uni-President Enterprises Corp	0.01%
Sandvik	0.01%
Longi Green Energy Technology Ltd	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Zimmer Biomet Holdings Inc	0.01%
United Rentals Inc	0.01%
Incyte Corp	0.01%
Thomson Reuters Corp	0.01%
Biomarin Pharmaceutical Inc	0.01%
Arch Capital Group Ltd	0.01%
Zebra Technologies Corp Class A	0.01%
Bunge Ltd	0.01%
Ingersoll Rand Inc	0.01%
Sonova Holding AG	0.01%
Shiseido Ltd	0.01%
Raymond James Inc	0.01%
Wheaton Precious Metals Corp	0.01%
Dollarama Inc	0.01%
Datadog Inc Class A	0.01%
Veolia Environ. SA	0.01%
Albemarle Corp	0.01%
Magna International Inc	0.01%
Omron Corp	0.01%
United Micro Electronics Corp	0.01%
Mondelez International Inc Class A	0.01%
Principal Financial Group Inc	0.01%
Bio Techne Corp	0.01%
Waters Corp	0.01%
Segro Reit Plc	0.01%
Zoom Video Communications Inc Clas	0.01%
China Resources Land Ltd	0.01%
Heidelbergcement Ag	0.01%
Lpl Financial Holdings Inc	0.01%
Rogers Communications Non-Voting I	0.01%
International Paper	0.01%
Mitsubishi Estate Co Ltd	0.01%
Air Products And Chemicals Inc	0.01%
Trimble Inc	0.01%
Chubu Electric Power Inc	0.01%
Mcdonalds Corp	0.01%
Unicharm Corp	0.01%
Kerry Group Plc	0.01%
Pearson Plc	0.01%
Expeditors International Of Washington Inc	0.01%
Expeditors International Of Washin	0.01%
Shionogi Ltd	0.01%
Ptc Inc	0.01%
WR Berkley Corp	0.01%
FactSet Research Systems Inc	0.01%
Standard Chartered Plc	0.01%
Byd Ltd A	0.01%
Pool Corp	0.01%
Fubon Financial Holding Ltd	0.01%
Healthpeak Properties Inc	0.01%
Xpeng Adr Representing Inc	0.01%
Symrise AG	0.01%
Realty Income Reit Corp	0.01%
Upm-Kymmene	0.01%
Cognex Corp	0.01%
Zendesk Inc	0.01%
SGS SA	0.01%
Kubota Corp	0.01%
Cintas Corp	0.01%
Chunghwa Telecom Ltd	0.01%
China Yangtze Power Ltd A	0.01%
CTBC Financial Holding Ltd	0.01%
Swiss Life Holding AG	0.01%
Sunrun Inc	0.01%
Power Corporation Of Canada	0.01%
KB Financial Group Inc	0.01%
Boston Properties Reit Inc	0.01%
Wpp Plc	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Coloplast B	0.01%
Generac Holdings Inc	0.01%
Straumann Holding AG	0.01%
Dominos Pizza Inc	0.01%
Yaskawa Electric Corp	0.01%
Singapore Telecommunications Ltd	0.01%
3M	0.01%
Marubeni Corp	0.01%
Best Buy Inc	0.01%
Shinhan Financial Group Ltd	0.01%
Edp Renovaveis Sa	0.01%
Grupo Finance Banorte	0.01%
Delta Electronics Inc	0.01%
Brown & Brown Inc	0.01%
CarMax Inc	0.01%
China Merchants Bank Ltd A	0.01%
Glencore Plc	0.01%
Public Bank	0.01%
BOC Hong Kong Holdings Ltd	0.01%
Microchip Technology Inc	0.01%
TDK Corp	0.01%
Rentokil Initial Plc	0.01%
Booz Allen Hamilton Holding Corp C	0.01%
Telekomunikasi Indonesia	0.01%
Jb Hunt Transport Services	0.01%
Novozymes B	0.01%
Kuehne und Nagel International AG	0.01%
Bank Leumi Le Israel	0.01%
Campbell Soup	0.01%
Atlas Copco Class B	0.01%
Hang Seng Bank Ltd	0.01%
NN Group NV	0.01%
E.Sun Financial Holding Ltd	0.01%
MS&AD Insurance Group Holdings Inc	0.01%
Unicredit	0.01%
Cathay Financial Holding Ltd	0.01%
Idex Corp	0.01%
Howmet Aerospace Inc	0.01%
LKQ Corp	0.01%
Akzo Nobel NV	0.01%
Jazz Pharmaceuticals Plc	0.01%
Nan Ya Plastics Corp	0.01%
Trade Desk Inc Class A	0.01%
United Utilities Group Plc	0.01%
Contemporary Amperex Technology Ltd	0.01%
China Overseas Land Investment Ltd	0.01%
Alleghany Corp	0.01%
CH Robinson Worldwide Inc	0.01%
Fomento Economico Mexicano	0.01%
Croda International Plc	0.01%
Rio Tinto Plc	0.01%
Informa Plc	0.01%
Walmart Inc	0.01%
Mega Financial Holding Ltd	0.01%
Steel Dynamics Inc	0.01%
Celanese Corp	0.01%
Verbund Ag	0.01%
Commerzbank Ag	0.01%
Eisai Ltd	0.01%
AEON Ltd	0.01%
Cboe Global Markets Inc	0.01%
Nomura Holdings Inc	0.01%
Hasbro Inc	0.01%
Stanley Black & Decker Inc	0.01%
Svenska Cellulosa B	0.01%
Mtr Corporation Corp Ltd	0.01%
Snap Inc Class A	0.01%
Webster Financial Corp	0.01%

Asset Class & Holdings	% of fund net assets
International equities (continued)	
Metro Inc	0.01%
Terna Rete Elettrica Nazionale	0.01%
Other	0.70%
Total	13.56%
Grand Total	**100%**

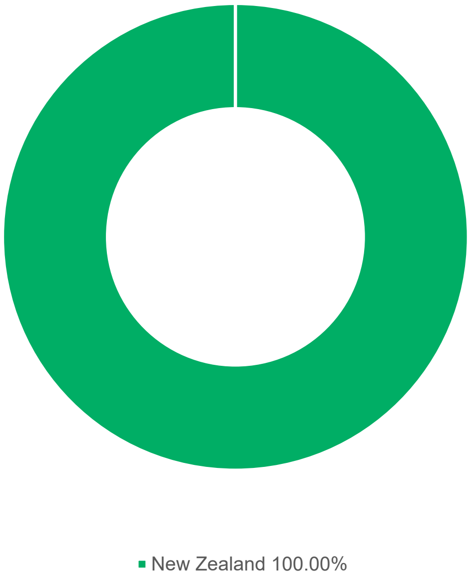
MAS KiwiSaver Scheme

Cash Fund Holdings

As at 30 June 2022

Asset Class & Holdings Region	% Portfolio
Cash and cash equivalents	
New Zealand	100.00%
Total	100.00%
Grand Total	**100%**

Regional Asset Class Allocation



Notes:

1. Fund holdings are current as at 30 June 2022. Future holdings may be different from those stated. Investments are managed in accordance with the MAS KiwiSaver Scheme's SIPO, available on the MAS website at **mas.co.nz/kiwisaver**
2. Medical Funds Management Limited is the issuer of the MAS KiwiSaver Scheme. The PDS for the MAS KiwiSaver Scheme is available on the MAS website at **mas.co.nz/kiwisaver**

Asset Class & Holdings	% of fund net assets
Cash and cash equivalents	
JBWere Premium Custody Call Account - NZD	30.72%
Westpac On Term @ 1.420% 13/07/2022	20.36%
BNZ On Term @ 1.86% 27/10/2022	9.39%
Westpac On Term @ 1.550% 01/09/2022	7.82%
China Construction Bank On Term @ 3.4% 10/05/2023	6.21%
ASB On Term @ 4.070% 28/06/2023	5.25%
ANZ On Term @ 1.800% 07/11/2022	4.69%
BNZ On Term @ 2.23% 28/12/2022	4.69%
Kiwibank On Term @ 3% 10/05/2023	4.65%
Kiwibank On Term @ 1.850% 02/08/2022	3.13%
ASBBNK Term Deposit 3.5% 13/06/2022 13/06/2023	3.09%
Grand Total	**100%**

The RIAA Certification Symbol signifies that a product or service offers an investment style that takes into account certain environmental, social, governance or ethical considerations The Symbol also signifies that the MAS KiwiSaver Scheme adheres to the strict operational and disclosure practices required under the Responsible Investment Certification Program for the category of Superfund Option. The Certification Symbol is a Registered Trade Mark of the Responsible Investment Association Australasia (RIAA). Detailed information about RIAA, the Symbol and the MAS KiwiSaver Scheme's methodology and performance can be found at www.responsiblereturns.com.au, together with details about other responsible investment products certified by RIAA[1].

[1]The Responsible Investment Certification Program does not constitute financial product advice. Neither the Certification Symbol nor RIAA recommends to any person that any financial product is a suitable investment or that returns are guaranteed. Appropriate professional advice should be sought prior to making an investment decision. RIAA does not hold an Australian Financial Services Licence.

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PRI Principles for Responsible Investment

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