

FTSE Developed ex UK

20 May 2019

Indicative Index Weight Data as at Closing on 29 March 2019

Constituent	Index weight (%)	Country	Constituent	Index weight (%)	Country	Constituent	Index weight (%)	Country
1&1 Drillisch	<0.005	GERMANY	Albermarle	0.02	USA	Aramark	0.02	USA
3M Company	0.3	USA	Alcoa Corporation	0.01	USA	Arcelor Mittal	0.03	NETHERLANDS
77 Bank	<0.005	JAPAN	Ald SA	<0.005	FRANCE	Arch Capital Gp	0.03	USA
A P Moller - Maersk A	0.01	DENMARK	Alexandria Real Estate Equity	0.04	USA	Archer Daniels Midland	0.06	USA
A P Moller - Maersk B	0.02	DENMARK	Alexion Pharm	0.08	USA	Arconic	0.02	USA
a2 Milk	0.02	NEW ZEALAND	Alfa Laval	0.02	SWEDEN	Ariake Japan	<0.005	JAPAN
A2A	0.01	ITALY	Alfreda Holdings	0.01	JAPAN	Arista Networks	0.05	USA
AAC Technologies Holdings	0.01	HONG KONG	Align Technology Inc	0.06	USA	Aristocrat Leisure	0.03	AUSTRALIA
Aalberts Industries	0.01	NETHERLANDS	Alimentation Couche-Tard B	0.07	CANADA	Arkema	0.02	FRANCE
ABB	0.09	SWITZERLAND	Alkermes plc	0.01	USA	Aroundtown SA	0.01	GERMANY
Abbott Laboratories	0.35	USA	Alleghany	0.02	USA	Arrow Electronics	0.02	USA
AbbVie Inc	0.32	USA	Allegion PLC	0.02	USA	Arthur J Gallagher	0.04	USA
ABC-Mart	<0.005	JAPAN	Allergan	0.13	USA	Asahi Group Holdings	0.04	JAPAN
Abiomed Inc	0.03	USA	Alliance Data Systems Corp	0.02	USA	Asahi Intecc	0.01	JAPAN
ABN AMRO Group NV	0.02	NETHERLANDS	Alliant Energy	0.03	USA	Asahi Kasei Corporation	0.03	JAPAN
Accenture CI A	0.29	USA	Alliant SE	0.24	GERMANY	Ascendas Real Estate Investment Trust	0.01	SINGAPORE
Acciona S.A.	0.01	SPAIN	Allstate Corp	0.08	USA	Ashland Global Holdings Inc	0.01	USA
Accor	0.02	FRANCE	Ally Financial	0.03	USA	Asics Corp	0.01	JAPAN
Acerinox	<0.005	SPAIN	Alnylam Pharmaceuticals	0.02	USA	Askul	<0.005	JAPAN
Ackermans & Van Haaren	0.01	BELGIUM	Alony Hetz Properties & Inv	<0.005	ISRAEL	ASM Pacific Technology	0.01	HONG KONG
Acom	<0.005	JAPAN	Alphabet Class A	0.91	USA	ASML Holding	0.19	NETHERLANDS
ACS Actividades Cons y Serv	0.03	SPAIN	Alphabet Class C	0.93	USA	ASR Nederland	0.01	NETHERLANDS
Activision Blizzard	0.09	USA	Alps Alpine	0.01	JAPAN	Assa Abloy B	0.05	SWEDEN
Acuity Brands Inc	0.01	USA	ALS	0.01	AUSTRALIA	Assurant	0.01	USA
Adecco Group AG	0.02	SWITZERLAND	Alstom	0.02	FRANCE	Astellas Pharmaceutical	0.07	JAPAN
Adelaide Brighton	<0.005	AUSTRALIA	Altria Group	0.28	USA	ASX	0.02	AUSTRALIA
Adidas	0.12	GERMANY	Alumina	0.01	AUSTRALIA	AT&T	0.59	USA
Adobe	0.34	USA	Amada	0.01	JAPAN	Atlantia	0.04	ITALY
Advance Auto Parts	0.03	USA	Amadeus IT Group SA	0.09	SPAIN	Atlas Arteria	0.01	AUSTRALIA
Advanced Micro Dev	0.06	USA	Amazon.Com	1.9	USA	Atlas Copco A	0.04	SWEDEN
Advantest Corp	0.01	JAPAN	Ambu A/S	0.01	DENMARK	Atlas Copco B	0.02	SWEDEN
Adyen	0.02	NETHERLANDS	Amcor	0.03	AUSTRALIA	Atlassian	0.03	USA
Aegon NV	0.02	NETHERLANDS	Amdocs	0.02	USA	Atmos Energy	0.03	USA
Aena SME SA	0.03	SPAIN	Ameren Corp	0.05	USA	Atos SE	0.02	FRANCE
Aeon	0.04	JAPAN	American Airlines Group	0.01	USA	Auckland International Airport	0.01	NEW ZEALAND
AEON Financial Service	0.01	JAPAN	American Elec Power Com	0.11	USA	Aurizon Holdings	0.02	AUSTRALIA
Aeon Mall	0.01	JAPAN	American Express Com	0.18	USA	Ausnet Services	0.01	AUSTRALIA
AerCap Holdings N.V.	0.02	USA	American Intl Group	0.1	USA	Australia & New Zealand Banking Group	0.14	AUSTRALIA
Aeroports de Paris	0.01	FRANCE	American Tower Corp	0.22	USA	Autobacs	<0.005	JAPAN
AES Corp.	0.03	USA	American Water Works Company	0.05	USA	Autodesk	0.09	USA
Affiliated Managers Group	0.01	USA	Ameriprise Financial	0.05	USA	Autoliv	0.02	USA
Aflac	0.1	USA	AmerisourceBergen	0.03	USA	Automatic Data Process	0.18	USA
AGC	0.02	JAPAN	Ametek Inc	0.05	USA	Autozone	0.07	USA
Ageas	0.02	BELGIUM	Amgen Corp	0.31	USA	Avalonbay Communities	0.07	USA
Agilent Technologies	0.07	USA	AmoreG	<0.005	KOREA	Avangrid	0.01	USA
AGL Energy	0.03	AUSTRALIA	Amorepacific Corp	0.01	KOREA	Avery Dennison Corp	0.03	USA
AGNC Investment	0.02	USA	Amorepacific Pfd.	<0.005	KOREA	Avnet	0.01	USA
Agnico Eagle Mines	0.03	CANADA	Amot Investments Ltd.	<0.005	ISRAEL	Awa Bank	<0.005	JAPAN
Ahold Delhaize	0.07	NETHERLANDS	AMP	0.01	AUSTRALIA	AXA	0.13	FRANCE
AIA Group Ltd.	0.31	HONG KONG	Amphenol Corp A	0.07	USA	AXA Equitable Holdings	0.01	USA
AIB Group	0.01	IRELAND	Amundi	0.01	FRANCE	Axel Springer SE	0.01	GERMANY
Aica Kogyo	<0.005	JAPAN	ANA Holdings	0.01	JAPAN	Axis Capital Holdings	0.01	USA
Aiful	<0.005	JAPAN	Anadarko Petroleum	0.06	USA	Azbil Corp.	0.01	JAPAN
Ain Pharmaciez	0.01	JAPAN	Analog Devices	0.1	USA	Azrieli Group	0.01	ISRAEL
Air France-KLM	0.01	FRANCE	Andritz	0.01	AUSTRIA	Baker Hughes a GE company	0.04	USA
Air Liquide	0.14	FRANCE	Anheuser-Busch InBev	0.17	BELGIUM	Ball Corp	0.05	USA
Air New Zealand	<0.005	NEW ZEALAND	Annaly Capital Management	0.04	USA	Baloise	0.02	SWITZERLAND
Air Products And Chemcom	0.11	USA	Ansell	0.01	AUSTRALIA	Banca Mediolanum	0.01	ITALY
Air Water	0.01	JAPAN	ANSYS Inc	0.04	USA	Banco Bilbao Vizcaya Argentaria	0.1	SPAIN
Airbus	0.19	FRANCE	Anthem	0.19	USA	Banco BPM	0.01	ITALY
Airport City Ltd	<0.005	ISRAEL	Aon plc	0.11	USA	Banco De Sabadell	0.01	SPAIN
Aisin Seiki Co	0.02	JAPAN	Aoyama Trading	<0.005	JAPAN	Banco Santander	0.19	SPAIN
Ajinomoto Co	0.02	JAPAN	Aozora Bank	0.01	JAPAN	Bandai Namco Holdings	0.02	JAPAN
Akamai Technologies	0.03	USA	APA Group	0.02	AUSTRALIA	Bank Hapoalim	0.02	ISRAEL
Aker	<0.005	NORWAY	Apache Corp.	0.03	USA	Bank Leumi	0.03	ISRAEL
Aker BP ASA	0.01	NORWAY	Aplus Financial	<0.005	JAPAN	Bank of America	0.65	USA
Akzo Nobel	0.05	NETHERLANDS	Apple Inc.	2.34	USA	Bank of East Asia	0.01	HONG KONG
Alaska Air Group	<0.005	USA	Applied Materials	0.1	USA	Bank Of Ireland Group	0.01	IRELAND
Alba (Corp. Fin)	<0.005	SPAIN	Apiv PLC	0.05	USA	Bank of Kyoto	0.01	JAPAN

Constituent	Index weight (%)	Country	Constituent	Index weight (%)	Country	Constituent	Index weight (%)	Country
Bank of Montreal	0.12	CANADA	Casino Guichard Perrachon	0.01	FRANCE	Constellation Software	0.04	CANADA
Bank of New York Mellon	0.12	USA	Casio Computer Co	0.01	JAPAN	Contact Energy	0.01	NEW ZEALAND
Bank of Nova Scotia	0.17	CANADA	Castellum	0.01	SWEDEN	Continental	0.04	GERMANY
Bank of Queensland Ltd.	0.01	AUSTRALIA	Caterpillar	0.2	USA	Continental Resources OK	0.01	USA
Bank Pekao	0.01	POLAND	Cathay Pacific Airways	<0.005	HONG KONG	Cooper Cos Inc	0.04	USA
Bankia	0.01	SPAIN	Cboe Global Markets	0.03	USA	Copart Inc	0.03	USA
Bankinter	0.01	SPAIN	CBRE Group	0.04	USA	Corning	0.07	USA
Banque Cantonale Vaudoise	0.01	SWITZERLAND	CBS	0.04	USA	Cosmo Energy Holdings	<0.005	JAPAN
Barrick Gold	0.06	CANADA	CD Projekt SA	0.01	POLAND	Cosmos Pharmaceutical	<0.005	JAPAN
Barry Callebaut	0.01	SWITZERLAND	CDK Global	0.02	USA	CoStar Group	0.04	USA
BASF	0.17	GERMANY	CDW	0.04	USA	Costco Wholesale Corp	0.27	USA
Bausch Health Companies	0.02	CANADA	Celanese	0.03	USA	Coty	0.01	USA
Baxter Intl	0.11	USA	Celgene Corp	0.17	USA	Covestro AG	0.02	GERMANY
Bayer AG	0.16	GERMANY	Cellex Telecom SAU	0.02	SPAIN	Covetrus	0.01	USA
BB&T Corporation	0.09	USA	Celltrion Healthcare	0.01	KOREA	Covivio	0.01	FRANCE
BCE Inc	0.03	CANADA	Celltrion Inc	0.03	KOREA	Coway	0.01	KOREA
Becton Dickinson	0.17	USA	Genovus Energy	0.02	CANADA	Credit Agricole	0.04	FRANCE
Beiersdorf	0.03	GERMANY	Centene Corp	0.06	USA	Credit Saison	0.01	JAPAN
Bendigo and Adelaide Bank	0.01	AUSTRALIA	CenterPoint Energy	0.04	USA	Credit Suisse Group	0.08	SWITZERLAND
Benefit One	<0.005	JAPAN	Central Japan Railway	0.11	JAPAN	Crown Castle Intl Corp	0.14	USA
Benesse Holdings	<0.005	JAPAN	CenturyLink	0.03	USA	Crown Resorts	0.01	AUSTRALIA
Berkley W R	0.02	USA	Cerner Corp	0.05	USA	CSL	0.16	AUSTRALIA
Berkshire Hathaway B	0.68	USA	CF Industries Holdings	0.02	USA	CSR	<0.005	AUSTRALIA
Berkshire Hathaway -CL A	0.33	USA	CGI	0.04	CANADA	CSX Corp	0.15	USA
Best Buy Company	0.04	USA	Challenger	0.01	AUSTRALIA	Cummins	0.06	USA
Bezeq	<0.005	ISRAEL	Champion REIT	<0.005	HONG KONG	CVS Health Corporation	0.18	USA
BGF	<0.005	KOREA	Charter Communications Inc. CI A	0.15	USA	CyberAgent	0.01	JAPAN
BGF Retail	<0.005	KOREA	Check Point Software	0.04	USA	Cyfrowy Polsat SA	<0.005	POLAND
BHP Group	0.21	AUSTRALIA	Cheil Worldwide	<0.005	KOREA	D.R. Horton Inc	0.04	USA
BIC	0.01	FRANCE	Cheniere Energy	0.04	USA	Daelim Industrial	0.01	KOREA
Bic Camera	<0.005	JAPAN	Chevron	0.61	USA	Daewoo Engineering & Construction	<0.005	KOREA
Biogen	0.12	USA	Chiba Bank	0.01	JAPAN	Daewoo Shipbuilding & Marine Engineering	<0.005	KOREA
BioMarin Pharm	0.04	USA	China Mengniu Dairy	0.03	HONG KONG	Dah Sing	<0.005	HONG KONG
Biomerieux	0.01	FRANCE	China Travel International Investment Hong Kong	<0.005	HONG KONG	Dah Sing Banking Group	<0.005	HONG KONG
Blackrock Inc	0.13	USA	Chipotle Mexican Grill	0.04	USA	Dai Nippon Printing	0.02	JAPAN
Block (H & R) NPV	0.01	USA	Chow Tai Fook Jewellery Group	<0.005	HONG KONG	Daicel	0.01	JAPAN
Bluescope Steel	0.01	AUSTRALIA	Chr. Hansen Holding A/S	0.03	DENMARK	Daido Steel Co	<0.005	JAPAN
BMW	0.06	GERMANY	Chubb Ltd	0.17	USA	Daifuku	0.01	JAPAN
BMW AG Pref	0.01	GERMANY	Chubu Elec Power	0.03	JAPAN	Dai-ichi Life Holdings	0.04	JAPAN
BNK Financial Group	<0.005	KOREA	Chugai Seiyaku	0.04	JAPAN	Daichi Sankyo	0.08	JAPAN
BNP Paribas	0.13	FRANCE	Chugoku Bank	<0.005	JAPAN	Daiichikoshoh	0.01	JAPAN
BOC Aviation	<0.005	HONG KONG	Chugoku Electric Power	0.01	JAPAN	Daikin Industries	0.08	JAPAN
BOC Hong Kong (Holdings)	0.04	HONG KONG	Church & Dwight	0.05	USA	Daimler AG	0.13	GERMANY
Boeing	0.53	USA	Ci:z Holdings	<0.005	JAPAN	Dairy Farm International Holdings	0.01	HONG KONG
Boliden	0.02	SWEDEN	Cigna Corp	0.16	USA	Daishi Hokuetsu Financial Group	<0.005	JAPAN
Bolloré	0.01	FRANCE	Cimarex Energy Co	0.02	USA	Daito Trust Constuction	0.03	JAPAN
Booking Holdings	0.21	USA	CIMIC Group	0.01	AUSTRALIA	Daiwa House Industry	0.05	JAPAN
Boral	0.01	AUSTRALIA	Cincinnati Fin Cp	0.03	USA	Daiwa Securities Group	0.02	JAPAN
BorgWarner	0.02	USA	Cintas Corp	0.04	USA	Danaher Corp	0.22	USA
Boskalis Westminster	0.01	NETHERLANDS	Cisco Systems	0.64	USA	Danone	0.12	FRANCE
BOSTON PROPERTIES	0.05	USA	CIT Group	0.01	USA	Danske Bank A/S	0.03	DENMARK
Boston Scientific Corp	0.14	USA	Citigroup	0.38	USA	Darden Restaurants	0.04	USA
Bouygues	0.02	FRANCE	Citizen Watch	<0.005	JAPAN	Dassault Aviation S.A.	0.01	FRANCE
Brambles	0.03	AUSTRALIA	Citizens Financial Group	0.04	USA	Dassault Systemes	0.05	FRANCE
Brenntag AG	0.02	GERMANY	Citrix Systems	0.03	USA	Davita	0.02	USA
Bridgestone Corp	0.06	JAPAN	City Developments	0.01	SINGAPORE	DB Insurance	0.01	KOREA
Bristol Myers Squibb	0.2	USA	CJ Cheiljedang	0.01	KOREA	DBS Group Holdings	0.09	SINGAPORE
Broadcom	0.32	USA	CJ CheilJedang Pfd.	<0.005	KOREA	Deere & Co	0.13	USA
Broadridge Financial Solutions	0.03	USA	CJ Corp	<0.005	KOREA	Delek Group	<0.005	ISRAEL
Brookfield Asset Management CI A LV	0.1	CANADA	CJ ENM	0.01	KOREA	Delivery Hero AG	0.01	GERMANY
Brother Industries	0.01	JAPAN	CJ Logistics	<0.005	KOREA	Dell Technologies	0.02	USA
Brown & Brown	0.02	USA	CK Asset Holdings	0.06	HONG KONG	Delta Air Lines	0.02	USA
Brown-Forman B	0.04	USA	CK Hutchison Holdings	0.07	HONG KONG	Demant	0.01	DENMARK
Bunge	0.02	USA	CK Infrastructure Holdings	0.01	HONG KONG	DeNA	<0.005	JAPAN
Bureau Veritas S.A.	0.02	FRANCE	Clariant	0.01	SWITZERLAND	Denka	0.01	JAPAN
Burlington Stores	0.03	USA	Clorox	0.05	USA	Denso Corporation	0.05	JAPAN
Buzzi Unicem	<0.005	ITALY	CLP Holdings	0.05	HONG KONG	DENTSPLY SIRONA	0.03	USA
Buzzi Unicem Rsp	<0.005	ITALY	CME Group	0.15	USA	Dentsu Inc	0.02	JAPAN
C.H. Robinson Worldwide	0.03	USA	CMS Energy Corp	0.04	USA	Deutsche Bank	0.04	GERMANY
Cabot Oil & Gas	0.03	USA	CNA Financial Corp	<0.005	USA	Deutsche Boerse	0.06	GERMANY
Cadence Design Systems	0.05	USA	Cnh Industrial	0.03	ITALY	Deutsche Lufthansa AG	0.01	GERMANY
Cafe De Coral Holdings	<0.005	HONG KONG	Cnp Assurance	0.01	FRANCE	Deutsche Post	0.08	GERMANY
CaixaBank	0.03	SPAIN	Coca-Cola	0.47	USA	Deutsche Telekom	0.14	GERMANY
Calbee	0.01	JAPAN	Coca-Cola Amatil	0.01	AUSTRALIA	Deutsche Wohnen SE	0.04	GERMANY
Caltech Australia	0.01	AUSTRALIA	Coca-Cola Bottlers Japan	0.01	JAPAN	Devon Energy	0.04	USA
Campari	0.01	ITALY	Coca-Cola European Partners	0.02	USA	DexCom	0.03	USA
Campbell Soup	0.02	USA	Cochlear	0.02	AUSTRALIA	Dexus Property Group	0.02	AUSTRALIA
Canadian Imperial Bank of Commerce	0.09	CANADA	Cognizant Tech Solutions	0.11	USA	DGB Financial Group	<0.005	KOREA
Canadian National Railway	0.17	CANADA	Coles Group	0.02	AUSTRALIA	Diamondback Energy	0.04	USA
Canadian Natural Resources	0.08	CANADA	Colgate-Palmolive	0.15	USA	DiaSorin	0.01	ITALY
Canadian Pacific Railway	0.08	CANADA	Coloplast B	0.04	DENMARK	DIC	0.01	JAPAN
Canadian Tire Corp A	0.02	CANADA	Colruyt	0.01	BELGIUM	Digital Realty Trust	0.06	USA
Canadian Utilities CL A	0.01	CANADA	Comcast A	0.47	USA	Dino Polska SA	<0.005	POLAND
Canon	0.08	JAPAN	Comerica	0.03	USA	Disco	0.01	JAPAN
Canon Marketing Japan	<0.005	JAPAN	ComfortDelGro	0.01	SINGAPORE	Discover Financial Services	0.06	USA
Capcom Co Ltd	0.01	JAPAN	Commerce Bancshares	0.01	USA	Discovery Series A	0.01	USA
Capgemini SE	0.05	FRANCE	Commerzbank	0.02	GERMANY	Discovery Series C	0.02	USA
Capital One Financial	0.1	USA	Commonwealth Bank of Australia	0.23	AUSTRALIA	Dish Network	0.02	USA
Capitaland	0.02	SINGAPORE	Compagnie Financiere Richemont SA	0.1	SWITZERLAND	Disney (Walt) Company	0.5	USA
CapitalLand Commercial Trust	0.01	SINGAPORE	Computershare	0.02	AUSTRALIA	DKSH Holding	<0.005	SWITZERLAND
CapitalLand Mall Trust	0.01	SINGAPORE	Comsys Holdings	0.01	JAPAN	DMG Mori Seiki	<0.005	JAPAN
Capri Holdings Limited	0.02	USA	ConAgra Brands Inc	0.03	USA	DNB	0.05	NORWAY
Cardinal Health	0.04	USA	Concho Resources	0.06	USA	Dollar General	0.08	USA
Carl Zeiss Meditec	0.01	GERMANY	Concordia Financial Group	0.01	JAPAN	Dollar Tree	0.06	USA
Carlsberg (B)	0.03	DENMARK	ConocoPhillips	0.2	USA	Dollarama Inc	0.02	CANADA
Carmax Inc	0.03	USA	Cons Edison Holding	0.07	USA	Domain Holdings Australia	<0.005	AUSTRALIA
Carnival Corp A	0.05	USA	Constellation Brands A	0.07	USA	Dominion Energy	0.15	USA
Carrefour	0.03	FRANCE						

Constituent	Index weight (%)	Country
Dominos Pizza	0.03	USA
Domino's Pizza Enterprises	<0.005	AUSTRALIA
Dongsuh Co Inc	<0.005	KOREA
Doosan	<0.005	KOREA
Doosan Bobcat	<0.005	KOREA
Doosan Heavy Industries and Construction	<0.005	KOREA
Doosan Infracore	<0.005	KOREA
Dover Corp	0.04	USA
Dowa Holdings	<0.005	JAPAN
DowDuPont	0.31	USA
Downer Group	0.01	AUSTRALIA
Dsv B	0.04	DENMARK
DTE Energy	0.06	USA
Dufry	0.01	SWITZERLAND
Duke Energy Corp	0.17	USA
Duke Realty Corp	0.03	USA
DuluxGroup	0.01	AUSTRALIA
DWS Group	<0.005	GERMANY
DXC Technology Company	0.04	USA
E.ON	0.06	GERMANY
East Japan Railway	0.09	JAPAN
Eastman Chemical	0.03	USA
Eaton Corp PLC	0.09	USA
Ebara	0.01	JAPAN
Ebay	0.08	USA
Ecolab	0.12	USA
Edenred	0.03	FRANCE
Edison International	0.05	USA
EDP	0.02	PORTUGAL
EDP Renovaveis	<0.005	PORTUGAL
Edwards Lifesciences	0.1	USA
Eiffage	0.02	FRANCE
Eisai	0.04	JAPAN
Elanco Animal Health	0.03	USA
Elbit Systems	0.01	ISRAEL
Electric Power Development	0.01	JAPAN
Electricite de France (EDF)	0.02	FRANCE
Electrolux Ser B	0.02	SWEDEN
Electronic Arts	0.08	USA
Elekta B	0.01	SWEDEN
Elis SA	0.01	FRANCE
Elisa	0.02	FINLAND
E-Mart	0.01	KOREA
Emerson Electric	0.11	USA
Ems Chemie I	0.01	SWITZERLAND
Enagás	0.02	SPAIN
Enbridge	0.19	CANADA
Encana Corporation	0.03	CANADA
Endesa	0.02	SPAIN
Enel	0.13	ITALY
Engie	0.06	FRANCE
Eni	0.11	ITALY
Entergy Corp	0.04	USA
EOG Resources	0.14	USA
Epiroc A	0.02	SWEDEN
Epiroc B	0.01	SWEDEN
EQT Corporation	0.01	USA
Equifax	0.04	USA
Equinix Inc	0.1	USA
Equinor ASA	0.06	NORWAY
Equitrans Midstream	0.01	USA
Equity Residential	0.07	USA
Ericsson A	<0.005	SWEDEN
Ericsson B	0.07	SWEDEN
Erste Group Bank	0.03	AUSTRIA
Essex Prop Trust	0.05	USA
EssilorLuxottica	0.08	FRANCE
Essity Aktiebolag B	0.05	SWEDEN
E-Trade Financial	0.03	USA
Eurazeo	0.01	FRANCE
Eurofins Scienti	0.01	FRANCE
Eutelsat Communications	0.01	FRANCE
Everest Re Group	0.02	USA
Evergy	0.04	USA
Eversource Energy	0.06	USA
Evolution Mining	0.01	AUSTRALIA
Evonik Industries AG	0.01	GERMANY
Exedy	<0.005	JAPAN
Exelon Corporation	0.13	USA
Exor NV	0.02	ITALY
Expedia Group	0.04	USA
Expeditors Intl Washington	0.03	USA
Extra Space Storage	0.03	USA
Exxon Mobil Corporation	0.89	USA
Ezaki Glico	0.01	JAPAN
F5 Networks Inc	0.02	USA
Facebook Class A	1.03	USA
Fairfax Financial Holdings	0.03	CANADA
FamilyMart UNY Holdings	0.02	JAPAN
Fanci Corp	<0.005	JAPAN
Fanuc	0.09	JAPAN
Fast Retailing	0.06	JAPAN
Fastenal Co	0.05	USA
Fastighets AB Balder B	0.01	SWEDEN
Faurecia	0.01	FRANCE
Federal Realty Invs	0.03	USA
Fedex Corporation	0.11	USA

Constituent	Index weight (%)	Country
Ferrari NV	0.04	ITALY
Ferrovial	0.03	SPAIN
Fiat Chrysler Automobiles NV	0.04	ITALY
Fidelity Natl Information Services	0.1	USA
Fielmann	<0.005	GERMANY
Fifth Third Bancorp	0.05	USA
FIH Mobile	<0.005	HONG KONG
Fila Korea	0.01	KOREA
FincoBank	0.01	ITALY
First Intl Bank of Israel (5)	<0.005	ISRAEL
First Pacific	<0.005	HONG KONG
First Republic Bank San Francisco	0.04	USA
Firstenergy Corp.	0.05	USA
Fischer (Georg)	0.01	SWITZERLAND
Fiserv Inc	0.09	USA
Fisher & Paykel Healthcare	0.02	NEW ZEALAND
Fleetcor Technologies	0.05	USA
Fletcher Building	0.01	NEW ZEALAND
Flex	0.01	USA
Flight Centre Travel Group	<0.005	AUSTRALIA
Flowerserve Cp	0.02	USA
Flughafen Zurich	0.01	SWITZERLAND
Fluor Corporation	0.01	USA
FMC Corp	0.03	USA
FNF Group	0.03	USA
Fomento De Construc Y Contra	<0.005	SPAIN
Foot Locker Inc	0.02	USA
Ford Motor Company	0.09	USA
Fortescue Metals Group	0.02	AUSTRALIA
Fortinet	0.03	USA
Fortis Inc	0.04	CANADA
Fortive	0.06	USA
Fortum	0.02	FINLAND
Fortune Brands Home & Security	0.02	USA
Fox Corporation Class A	0.03	USA
Fox Corporation Class B	0.02	USA
FOXCONN INTERCONNECT TECHNOLOGY	<0.005	HONG KONG
FP Corporation	<0.005	JAPAN
Franco-Nevada	0.04	CANADA
Franklin Resources	0.03	USA
Fraport AG Frankfurt	0.01	GERMANY
Frasers Property	<0.005	SINGAPORE
Freeport-McMoRan	0.05	USA
Fresenius Medical Care	0.04	GERMANY
Fresenius SE & Co KGaA	0.06	GERMANY
Fuchs Petrolub SE	0.01	GERMANY
Fuchs Petrolub SE	<0.005	GERMANY
Fuji Electric	0.01	JAPAN
Fuji Media Holdings	<0.005	JAPAN
Fuji Oil	<0.005	JAPAN
Fuji Seal International	<0.005	JAPAN
FUJIFILM Holdings	0.04	JAPAN
Fujikura	<0.005	JAPAN
Fujitsu	0.04	JAPAN
Fujitsu General	<0.005	JAPAN
Fukuoka Financial Group	0.01	JAPAN
Fukuyama Transporting	<0.005	JAPAN
Furukawa Electric	<0.005	JAPAN
Fuyo General Lease	<0.005	JAPAN
Galapagos Genomics NV	0.01	NETHERLANDS
Galaxy Entertainment Group	0.04	HONG KONG
Galp Energia SGPS SA	0.02	PORTUGAL
Gap	0.01	USA
Garmin Ltd	0.03	USA
Gartner	0.03	USA
Gazit Globe (1982) Ltd	<0.005	ISRAEL
GEA Group AG	0.01	GERMANY
Geberit N	0.04	SWITZERLAND
Gecina	0.02	FRANCE
Gemalto NV	0.01	NETHERLANDS
General Dynamics Corp	0.11	USA
General Electric	0.22	USA
General Mills	0.08	USA
General Motors	0.13	USA
Generali	0.06	ITALY
Genmab	0.02	DENMARK
Gentex Corp	0.01	USA
Gerling Singapore	0.01	SINGAPORE
Genuine Parts	0.04	USA
Getlink	0.02	FRANCE
Gilead Sciences	0.22	USA
Givaudan N	0.06	SWITZERLAND
Gjensidige Forsikring ASA	0.01	NORWAY
Glanbia	0.01	IRELAND
Global Payments Inc	0.06	USA
Glory	<0.005	JAPAN
GMO Internet	<0.005	JAPAN
GMO Payment Gateway	0.01	JAPAN
Gn Store Nordic	0.02	DENMARK
GoDaddy	0.03	USA
Goldcorp	0.03	CANADA
Golden Agri-Resources	<0.005	SINGAPORE
Goldman Sachs Group	0.17	USA
Goldwin	0.01	JAPAN
Goodman Group	0.04	AUSTRALIA
Goodyear Tire & Rubber	0.01	USA
GPT Group	0.02	AUSTRALIA

Constituent	Index weight (%)	Country
Grainger (W W)	0.04	USA
Grandvision B.V.	<0.005	NETHERLANDS
Great Eagle Holdings	<0.005	HONG KONG
Great-West Lifeco	0.02	CANADA
Grenke AG	0.01	GERMANY
Grifols	0.02	SPAIN
Grifols S.A. C I B	0.01	SPAIN
Groupe Bruxelles Lambert	0.02	BELGIUM
Grupa Lotos	0.01	POLAND
GS Engineering & Construction	0.01	KOREA
GS Holdings	0.01	KOREA
GS Retail	<0.005	KOREA
GS Yuasa Corp	<0.005	JAPAN
GungHo Online Entertainment	<0.005	JAPAN
Gunma Bank	<0.005	JAPAN
Guotai Junan International Holdings	<0.005	HONG KONG
H & M Hennes & Mauritz AB B	0.04	SWEDEN
H. Lundbeck	0.01	DENMARK
H.I.S.	<0.005	JAPAN
H2O Retailing	<0.005	JAPAN
Hachijuni Bank	<0.005	JAPAN
Haitong International Securities Group	<0.005	HONG KONG
Hakuhodo DY Holdings	0.01	JAPAN
Halliburton	0.07	USA
Hamamatsu Photo	0.01	JAPAN
Hana Financial Group	0.02	KOREA
Hanesbrands	0.02	USA
Hang Lung Group	0.01	HONG KONG
Hang Lung Properties	0.01	HONG KONG
Hang Seng Bank	0.05	HONG KONG
Hankook Tire	0.01	KOREA
Hankyu Hanshin Holdings	0.02	JAPAN
Hanmi Pharmaceutical	0.01	KOREA
Hanmi Science	<0.005	KOREA
Hannover Rueck SE	0.02	GERMANY
Hanon Systems	<0.005	KOREA
Hanssem	<0.005	KOREA
Hanwha	<0.005	KOREA
Hanwha Aerospace	<0.005	KOREA
Hanwha Chemical	<0.005	KOREA
Hanwha Life Insurance	<0.005	KOREA
Hanwha Pfd.	<0.005	KOREA
Hapag-Lloyd	<0.005	GERMANY
Harel Investments & Finance	<0.005	ISRAEL
Harley-Davidson	0.02	USA
Harris Corp	0.05	USA
Hartford Financial Services Group	0.05	USA
Harvey Norman Holdings	<0.005	AUSTRALIA
Hasbro	0.03	USA
Haseko	0.01	JAPAN
HCA Healthcare	0.09	USA
HCP	0.04	USA
HDC	<0.005	KOREA
HDC Hyundai Development	<0.005	KOREA
Healthscope	0.01	AUSTRALIA
HeidelbergCement AG	0.03	GERMANY
Heineken Holding	0.03	NETHERLANDS
Heineken NV	0.06	NETHERLANDS
Heiwa	<0.005	JAPAN
Hella	0.01	GERMANY
Helmerich & Payne	0.02	USA
Helvetia Holding AG	0.01	SWITZERLAND
Henderson Land Dev	0.02	HONG KONG
Henkel KG Pref	0.05	GERMANY
Henkel KGaA ORD	0.03	GERMANY
Henry Schein	0.02	USA
Hera	0.01	ITALY
Herbalife Nutrition	0.01	USA
Hermes International S.C.A.	0.05	FRANCE
Hershey Company	0.04	USA
Hess Corp.	0.04	USA
Hewlett Packard Enterprise	0.06	USA
Hexagon B	0.03	SWEDEN
Hikari Tsushin	0.01	JAPAN
Hilton Worldwide	0.06	USA
Hino Motors	0.01	JAPAN
Hirose Electric	0.01	JAPAN
Hiroshima Bank	<0.005	JAPAN
Hisamitsu Pharmaceutical	0.01	JAPAN
Hitachi	0.08	JAPAN
Hitachi Capital Corp	<0.005	JAPAN
Hitachi Chemical	0.01	JAPAN
Hitachi Construction Machinery	0.01	JAPAN
Hitachi High-Technologies	0.01	JAPAN
Hitachi Metals	0.01	JAPAN
Hitachi Transport System	<0.005	JAPAN
Hite Jinro	<0.005	KOREA
HLB	0.01	KOREA
Hochtief	0.01	GERMANY
Hokkaido Elec Power	<0.005	JAPAN
Hokuhoku Financial	<0.005	JAPAN
Hokuriku Electric Power	<0.005	JAPAN
HollyFrontier	0.02	USA
Hologic Inc	0.03	USA
Home Depot	0.56	USA
Honda Motor Co	0.12	JAPAN
Honeywell International Incorporation	0.3	USA
Hong Kong & China Gas	0.06	HONG KONG

Constituent	Index weight (%)	Country	Constituent	Index weight (%)	Country	Constituent	Index weight (%)	Country
Hong Kong Exchanges & Clearing	0.11	HONG KONG	Israel Discount Bank	0.01	ISRAEL	Kiwi Property Group	<0.005	NEW ZEALAND
Hongkong Land Holdings	0.02	HONG KONG	ISS	0.01	DENMARK	Kla-Tencor Corp	0.05	USA
Hopewell Holdings	0.01	HONG KONG	Isuzu Motors	0.02	JAPAN	Klepierre	0.02	FRANCE
Horiba	0.01	JAPAN	Italgas	0.01	ITALY	Knorr-Bremse	0.01	GERMANY
Hormel Foods	0.03	USA	Ito En	0.01	JAPAN	Kobayashi Pharmaceutical	0.01	JAPAN
Hoshizaki Electric Co. Ltd.	0.01	JAPAN	Itochu Corp	0.07	JAPAN	Kobe Steel	0.01	JAPAN
Hospitality Properties Trust	0.01	USA	Itochu Techno Solutions	0.01	JAPAN	Kohl's Corp	0.03	USA
Host Hotels & Resorts	0.04	USA	Itoham Yonekyu Holdings	<0.005	JAPAN	Koito Manufacturing	0.02	JAPAN
Hotel Shilla	0.01	KOREA	Iyo Bank	<0.005	JAPAN	Kokuyo	<0.005	JAPAN
House Foods Group	0.01	JAPAN	Izumico Ltd	<0.005	JAPAN	Komatsu	0.06	JAPAN
Hoya	0.06	JAPAN	J Front Retailing	0.01	JAPAN	Komeri	<0.005	JAPAN
HP	0.08	USA	J M Smucker	0.03	USA	Konami	0.01	JAPAN
Huabao International Holdings	<0.005	HONG KONG	Jabil	0.01	USA	Kone B	0.05	FINLAND
Hugo Boss AG	0.01	GERMANY	Jacobs Engineering Group	0.03	USA	Konica Minolta	0.01	JAPAN
Huhtamaki	0.01	FINLAND	James Hardie Industries Plc	0.01	AUSTRALIA	Koninklijke Philips	0.1	NETHERLANDS
Hulic	0.01	JAPAN	Janus Henderson Group	0.01	USA	Korea Aerospace Industries	0.01	KOREA
Humana	0.09	USA	Japan Airlines	0.01	JAPAN	Korea Gas	<0.005	KOREA
Hunt (JB) Transport Services	0.02	USA	Japan Airport Terminal	0.01	JAPAN	Korea Investment Hol	0.01	KOREA
Huntington Bancshares	0.03	USA	Japan Aviation Electronics	<0.005	JAPAN	Korea Zinc	0.01	KOREA
Huntington Ingalls Industries	0.02	USA	Japan Exchange Group	0.02	JAPAN	Korean Air Lines	<0.005	KOREA
Husky Energy	0.01	CANADA	Japan Petroleum Exploration	<0.005	JAPAN	Kose	0.01	JAPAN
Husqvarna AB B	0.01	SWEDEN	Japan Post Bank	0.01	JAPAN	Kraft Heinz	0.05	USA
Hutchison Port Holdings Trust	<0.005	SINGAPORE	Japan Post Holdings	0.04	JAPAN	Kroger	0.05	USA
Hutchison Telecommunications Hong Kong Ltd	<0.005	HONG KONG	Japan Post Insurance	<0.005	JAPAN	K's Holdings	<0.005	JAPAN
Hydro One	0.01	CANADA	Japan Steel Works	<0.005	JAPAN	KT&G	0.03	KOREA
Hyosung TNC	<0.005	KOREA	Japan Tobacco	0.08	JAPAN	Kubota	0.04	JAPAN
Hysan Development	0.01	HONG KONG	Jardine Cycle & Carriage	0.01	SINGAPORE	Kuehne & Nagel International	0.02	SWITZERLAND
Hyundai Construction Equipment	<0.005	KOREA	Jardine Matheson Holdings	0.03	HONG KONG	Kumho Petro Chemical	<0.005	KOREA
Hyundai Department Store	<0.005	KOREA	Jardine Strategic Holdings	0.02	HONG KONG	Kuraray	0.01	JAPAN
Hyundai Engineering & Construction	0.01	KOREA	Jazz Pharmaceuticals	0.02	USA	Kurita Water Inds	0.01	JAPAN
Hyundai Glovis	0.01	KOREA	JC Decaux	0.01	FRANCE	Kusuri No Aoki Holdings	<0.005	JAPAN
Hyundai Heavy Industries	0.01	KOREA	Jefferies Financial Group	0.01	USA	Kyocera Corp	0.05	JAPAN
Hyundai Heavy Industries	0.01	KOREA	Jeronimo Martins	0.01	PORTUGAL	KYORIN Holdings	<0.005	JAPAN
Hyundai Marine & Fire Insurance	0.01	KOREA	JFE Holdings	0.02	JAPAN	Kyoritsu Maintenance	<0.005	JAPAN
Hyundai Mipo Dockyard	<0.005	KOREA	JGC Corp	0.01	JAPAN	Kyowa Exeo Corp	0.01	JAPAN
Hyundai Mobis	0.03	KOREA	Johnson & Johnson	0.97	USA	Kyowa Hako Kirin	0.01	JAPAN
Hyundai Motor	0.04	KOREA	Johnson Controls International PLC	0.09	USA	Kyudenko Corp	<0.005	JAPAN
Hyundai Motor 2nd Pfd.	0.01	KOREA	Johnson Electric	<0.005	HONG KONG	Kyushu Elec Power	0.01	JAPAN
Hyundai Motor Pfd.	<0.005	KOREA	JPMorgan Chase & Co	0.87	USA	Kyushu Financial Group	<0.005	JAPAN
Hyundai Steel	0.01	KOREA	JSR Corp	0.01	JAPAN	Kyushu Railway	0.01	JAPAN
Hyundai Wia	<0.005	KOREA	JTEKT	0.01	JAPAN	L Brands	0.02	USA
IAC InterActiveCorp	0.04	USA	Julius Baer Group	0.02	SWITZERLAND	L3 Technologies	0.04	USA
Iberdrola	0.14	SPAIN	Juniper Networks	0.02	USA	Laboratory Corp of America	0.04	USA
Ibiden	<0.005	JAPAN	JXTG Holdings	0.04	JAPAN	LafargeHolcim	0.06	SWITZERLAND
ICA Gruppen AB	0.01	SWEDEN	Jyske Bank	0.01	DENMARK	Lagardere Groupe	0.01	FRANCE
Icade	0.01	FRANCE	K+S	0.01	GERMANY	Lam Research	0.07	USA
Ichigo	<0.005	JAPAN	Kagome	0.01	JAPAN	Lamb Weston Holdings	0.03	USA
Idemitsu Kosan	0.02	JAPAN	Kajima Corp	0.02	JAPAN	Lanxess	0.01	GERMANY
Idexx Labs	0.05	USA	Kakaku.com Inc.	0.01	JAPAN	Las Vegas Sands	0.06	USA
IGM Financial	0.01	CANADA	Kakao	0.01	KOREA	Latour Investment B	<0.005	SWEDEN
IHI	0.01	JAPAN	Kaken Pharmaceutical	<0.005	JAPAN	Lauder (Estee)	0.09	USA
IHS Markit	0.05	USA	Kanigumi	0.01	JAPAN	Lawson	0.01	JAPAN
Iida Group Holdings	0.01	JAPAN	Kandenko	<0.005	JAPAN	Lear Corp	0.02	USA
Iliad	0.01	FRANCE	Kaneka Corp	0.01	JAPAN	LEG Immobilien AG	0.02	GERMANY
Illinois Tool Wks	0.12	USA	Kangwon Land	0.01	KOREA	Leggett & Platt	0.01	USA
Illumina Inc	0.12	USA	Kansai Elec Power	0.03	JAPAN	Legrand	0.05	FRANCE
Iliuka Resources	0.01	AUSTRALIA	Kansai Mirai Financial Group	<0.005	JAPAN	Lend Lease Group	0.01	AUSTRALIA
Imerys	<0.005	FRANCE	Kansai Paint	0.01	JAPAN	Lennar Class A	0.04	USA
Imperial Oil	0.02	CANADA	Kansas City Southern	0.03	USA	Lenovo Group	0.02	HONG KONG
Incitec Pivotal Ltd	0.01	AUSTRALIA	Kao	0.1	JAPAN	Leonardo	0.01	ITALY
Incyle	0.04	USA	Kawasaki Heavy Industries	0.01	JAPAN	LEROFY SEAFOOD GROUP	<0.005	NORWAY
Inditex	0.08	SPAIN	Kawasaki Kisen Kaisha Ltd	<0.005	JAPAN	LG Chem Pfd.	<0.005	KOREA
Industrial Bank of Korea	0.01	KOREA	KB Financial Group	0.04	KOREA	LG Chemical	0.04	KOREA
Industrivarden AB C Free	0.01	SWEDEN	KBC Group	0.05	BELGIUM	LG Corp	0.02	KOREA
Industrivarden AB Ser A	0.01	SWEDEN	KCC Corp	<0.005	KOREA	LG Display	0.01	KOREA
Infineon Technologies AG	0.06	GERMANY	KDDI Corp	0.1	JAPAN	LG Electronics	0.02	KOREA
ING Group CVA	0.12	NETHERLANDS	Keihan Holdings	0.01	JAPAN	LG Electronics Pfd.	<0.005	KOREA
Ingenico Group	0.01	FRANCE	Keiiku Corporation	0.01	JAPAN	LG Household & Health Care Ltd	0.03	KOREA
Ingersoll-Rand	0.07	USA	Keio Corp	0.02	JAPAN	LG Household & Health Care Pfd.	<0.005	KOREA
Ingredient	0.02	USA	Keisei Electric Railway	0.01	JAPAN	LG Uplus	0.01	KOREA
Immobiliana Colonial S.A.	0.01	SPAIN	Kellogg	0.04	USA	Li & Fung	<0.005	HONG KONG
Innogy SE	0.02	GERMANY	Keppco	0.02	KOREA	Liberty Broadband Series A	0.01	USA
INPEX CORPORATION	0.02	JAPAN	KEPCO Plant Service & Engineer	<0.005	KOREA	Liberty Broadband Series C	0.02	USA
Insurance Australia Group	0.03	AUSTRALIA	Keppel	0.02	SINGAPORE	Liberty Global plc Cl A	0.01	USA
Intact Financial	0.03	CANADA	Keppel REIT	<0.005	SINGAPORE	Liberty Global plc Cl C	0.03	USA
Intel Corp	0.63	USA	Kering	0.11	FRANCE	Liberty Property Trust	0.02	USA
Inter Pipeline	0.02	CANADA	Kerry Group 'A'	0.04	IRELAND	LIBERTY SIRIUSXM SERIES A	0.01	USA
Intercontinental Exchange	0.11	USA	Kerry Logistics Network	<0.005	HONG KONG	LIBERTY SIRIUSXM SERIES C	0.02	USA
International Bus Machns.	0.34	USA	Kerry Properties	0.01	HONG KONG	Lifestyle International Holdings	<0.005	HONG KONG
International Paper	0.05	USA	Kesko B	0.01	FINLAND	Lilly (Eli) & Co	0.3	USA
Interpublic Group Cos	0.02	USA	Keurig Dr Pepper	0.01	USA	Lincoln National Corp	0.03	USA
Intesa Sanpaolo	0.1	ITALY	KEWPIE Corporation	0.01	JAPAN	Linde plc	0.25	USA
Intl Flavours & Fragrances	0.03	USA	Keycorp	0.04	USA	Lindt & Spruengli - PC	0.02	SWITZERLAND
Intuit	0.17	USA	Keyence Corp	0.15	JAPAN	Lindt & Spruengli - Reg	0.02	SWITZERLAND
Intuitive Surgical	0.17	USA	Keysight Technologies	0.04	USA	LINE	<0.005	JAPAN
Invesco Limited	0.02	USA	KGHM Polska	0.01	POLAND	Link Real Estate Investment Trust	0.06	HONG KONG
Investor A	0.02	SWEDEN	KIA Motors	0.02	KOREA	Lintec Corp	<0.005	JAPAN
Investor B Free	0.05	SWEDEN	Kikkoman	0.02	JAPAN	Lion Corp	0.01	JAPAN
Invitation Homes	0.02	USA	Kimberly-Clark	0.11	USA	Live Nation Entertainment	0.02	USA
IOOF Holdings	<0.005	AUSTRALIA	Kimco Realty Cp	0.02	USA	LIXIL Group	0.01	JAPAN
IPG Photonics	0.01	USA	Kinden	0.01	JAPAN	LKQ	0.02	USA
Ipsen	0.01	FRANCE	Kinder Morgan	0.1	USA	Loblaw Companies	0.02	CANADA
IQVIA Holdings	0.06	USA	Kingspan Group	0.02	IRELAND	L'Occitane International S.A.	<0.005	HONG KONG
Iron Mountain	0.03	USA	Kinnevik AB	0.02	SWEDEN	Lockheed Martin Corp	0.19	USA
Isetan Mitsukoshi Holdings	0.01	JAPAN	Kintetsu	0.02	JAPAN	Loew's	0.03	USA
Israel Chemicals	0.01	ISRAEL	Kion Group GmbH	0.01	GERMANY	Logitech	0.01	SWITZERLAND
Israel Corporation	<0.005	ISRAEL	Kirin Holdings Co. Ltd.	0.05	JAPAN	Lonza Grp Ag N	0.06	SWITZERLAND
			Kissei Pharmaceutical	<0.005	JAPAN	L'Oreal	0.17	FRANCE

Constituent	Index weight (%)	Country	Constituent	Index weight (%)	Country	Constituent	Index weight (%)	Country
Lotte Chemical	0.01	KOREA	Mitsubishi Gas Chemical	0.01	JAPAN	Nippon Yusen	0.01	JAPAN
Lotte Chilsung Beverage	<0.005	KOREA	Mitsubishi Heavy Inds	0.03	JAPAN	Nipro	<0.005	JAPAN
LOTTE Fine Chemical	<0.005	KOREA	Mitsubishi Logistics	<0.005	JAPAN	Nishi-Nippon Financial Holdings	<0.005	JAPAN
Lotte Holdings	<0.005	KOREA	Mitsubishi Materials Corpn	0.01	JAPAN	Nishi-Nippon Railroad	<0.005	JAPAN
Lotte Shopping	<0.005	KOREA	Mitsubishi Motors	0.01	JAPAN	Nisource	0.03	USA
Lowes Cos Inc	0.23	USA	Mitsubishi Shokuhin	<0.005	JAPAN	Nissan Chemical	0.02	JAPAN
LPP SA	<0.005	POLAND	Mitsubishi Tanabe Pharma	0.01	JAPAN	Nissan Motor	0.04	JAPAN
LS Corp	<0.005	KOREA	Mitsubishi UFJ Financial	0.16	JAPAN	Nissan Shatai	<0.005	JAPAN
lululemon athletica inc.	0.04	USA	Mitsubishi UFJ Lease & Finance	0.01	JAPAN	Nisshin Seifun Group	0.02	JAPAN
Lundberg B	0.01	SWEDEN	Mitsui & Co	0.07	JAPAN	Nisshinbo Holdings	<0.005	JAPAN
Lundin Petroleum	0.02	SWEDEN	Mitsui Chemicals	0.01	JAPAN	NISSIN FOODS HOLDINGS	0.01	JAPAN
LVMH	0.24	FRANCE	Mitsui Fudosan	0.06	JAPAN	Nitori Holdings	0.02	JAPAN
LyondellBasell Industries Cl A	0.07	USA	Mitsui Mining & Smelt	<0.005	JAPAN	Nitto Denko Corp	0.02	JAPAN
M&T Bank	0.06	USA	Mitsui Osk Lines	0.01	JAPAN	NN Group	0.04	NETHERLANDS
M3	0.02	JAPAN	Miura	0.01	JAPAN	Noble Energy	0.03	USA
Mabuchi Motor	<0.005	JAPAN	Mizrahi Tefahot Bank Ltd.	0.01	ISRAEL	Noevir Holdings	<0.005	JAPAN
Macau Legend Development	<0.005	HONG KONG	Mizuho Financial Group	0.1	JAPAN	Nof Corp	0.01	JAPAN
Macerich	0.02	USA	MMG	<0.005	HONG KONG	NOK	<0.005	JAPAN
Macquarie Group	0.07	AUSTRALIA	Mochida Pharmaceutical	<0.005	JAPAN	Nokia	0.08	FINLAND
Macys	0.02	USA	Mohawk Industries	0.02	USA	Nokian Renkaat	0.01	FINLAND
Maeda Corp	<0.005	JAPAN	Molson Coors CL B	0.03	USA	Nomura Holdings	0.03	JAPAN
Maeda Road Construction	<0.005	JAPAN	Moncler	0.02	ITALY	Nomura Real Estate Holdings	0.01	JAPAN
Magellan Financial Group	0.01	AUSTRALIA	Mondelez International Inc.	0.18	USA	Nomura Research Institute	0.01	JAPAN
Magna International Inc.	0.04	CANADA	MonotaRO	0.01	JAPAN	Nong Shim	<0.005	KOREA
Makita Corp	0.02	JAPAN	Monster Beverage	0.06	USA	Nordea Bank Abp	0.06	FINLAND
Mando	<0.005	KOREA	Moodys Corporation	0.08	USA	Nordstrom	0.01	USA
ManpowerGroup	0.01	USA	Morgan Stanley	0.14	USA	Norfolk Sthn Corp	0.13	USA
Manulife Financial	0.09	CANADA	Morinaga	<0.005	JAPAN	Norsk Hydro	0.01	NORWAY
Mapfre S.A.	0.01	SPAIN	Morinaga Milk Industry	<0.005	JAPAN	North Pacific Bank	<0.005	JAPAN
Mapletree Commercial Trust	0.01	SINGAPORE	Mosaic Company	0.02	USA	Northern Star Resources	0.01	AUSTRALIA
Mapletree Industrial Trust	0.01	SINGAPORE	Motorola Solutions	0.06	USA	Northern Trust	0.05	USA
Mapletree Logistics Trust	0.01	SINGAPORE	Mowi ASA	0.02	NORWAY	Northrop Grumman Corp	0.11	USA
Mapletree North Asia Commercial Trust	0.01	SINGAPORE	MS&AD Insurance Group Holdings	0.04	JAPAN	Norwegian Cruise Line	0.03	USA
Marathon Oil Corp	0.04	USA	MSCI	0.04	USA	Novartis (REGD)	0.54	SWITZERLAND
Marathon Petroleum	0.1	USA	MTR Corp	0.02	HONG KONG	Novo-Nordisk B	0.23	DENMARK
Markel Corp	0.04	USA	MTU Aero Engines AG	0.03	GERMANY	Novozymes A/S	0.02	DENMARK
Mariott International	0.09	USA	Muenchener Rueckversicherungs Reg	0.09	GERMANY	NRG Energy	0.03	USA
Marsh & McLennan	0.12	USA	Murata Manufacturing	0.07	JAPAN	NS Solutions	<0.005	JAPAN
Martin Marietta Materials	0.03	USA	Murphy Oil Corp	0.01	USA	NSK	0.01	JAPAN
Marubeni Corp	0.03	JAPAN	Mylan N.V.	0.04	USA	NTN Corp	<0.005	JAPAN
Maruha Nichiro	<0.005	JAPAN	Nabtesco Corp	0.01	JAPAN	NTT	0.07	JAPAN
Marui Group	0.01	JAPAN	NagaCorp	0.01	HONG KONG	NTT Data Corp.	0.02	JAPAN
Maruichi Steel Tube	<0.005	JAPAN	Nagase & Co	<0.005	JAPAN	NTT Docomo	0.07	JAPAN
Marvell Technology	0.03	USA	Nagoya Railroad	0.01	JAPAN	Nucor Corp	0.05	USA
Masco Corp	0.03	USA	Nankai Electric Railway	0.01	JAPAN	Nufarm	<0.005	AUSTRALIA
Mastercard CL A	0.56	USA	Nasdaq	0.03	USA	Nutrien Ltd	0.08	CANADA
Matsui Securities Co Ltd	<0.005	JAPAN	National Australia Bank	0.13	AUSTRALIA	nVent Electric	0.01	USA
Matsumotokiyoshi Holdings	0.01	JAPAN	National Bank of Canada	0.04	CANADA	Nvidia	0.27	USA
Maxim Integrated Prod.	0.04	USA	National Oilwell Varco	0.03	USA	NVR Inc	0.02	USA
Mazda Motor	0.02	JAPAN	Natixis	0.01	FRANCE	NWS Holdings	0.01	HONG KONG
mBank S.A.	<0.005	POLAND	Naturgy Energy Group SA	0.02	SPAIN	NXP Semiconductors	0.08	USA
McCormick & Co	0.05	USA	NAVER	0.04	KOREA	O Reilly Auto	0.08	USA
McDonalds Corp	0.38	USA	Ncsoft	0.02	KOREA	Obayashi	0.02	JAPAN
McKesson	0.06	USA	NEC	0.02	JAPAN	Obic	0.02	JAPAN
MDU Resources	0.01	USA	Neste Oyj	0.04	FINLAND	Obic Business Consultants	<0.005	JAPAN
Mebuki Financial Group	0.01	JAPAN	Nestle	0.74	SWITZERLAND	OC Oerlikon Corp AG	0.01	SWITZERLAND
Mediaset	<0.005	ITALY	NetApp	0.05	USA	Occidental Petroleum	0.13	USA
Medibank Private	0.01	AUSTRALIA	Netflix Inc	0.39	USA	OCI	<0.005	KOREA
Mediobanca	0.02	ITALY	Netmarble	0.01	KOREA	Oci NV	0.01	NETHERLANDS
Medipal Holdings	0.01	JAPAN	New World Development	0.02	HONG KONG	Odakyu Electric Railway	0.02	JAPAN
Medtronic plc	0.32	USA	New York Community Bancorp	0.01	USA	Oil Refineries	<0.005	ISRAEL
Medy-Tox	0.01	KOREA	Newcrest Mining	0.04	AUSTRALIA	Oil Search	0.02	AUSTRALIA
Megmilk Snow Brand	<0.005	JAPAN	Newell Brands	0.02	USA	Oji Holdings	0.01	JAPAN
Meiji Holdings	0.03	JAPAN	Newmont Mining	0.05	USA	Okuma	<0.005	JAPAN
Melco International Development	<0.005	HONG KONG	News Corporation Cl A	0.01	USA	Olam International	<0.005	SINGAPORE
Melisron	<0.005	ISRAEL	News Corporation Cl B	<0.005	USA	Old Dominion Freight Line	0.02	USA
MercadoLibre Inc.	0.05	USA	Nexon	0.02	JAPAN	Old Republic Intl	0.02	USA
Merck & Co	0.56	USA	Nexxter Automotive Group	<0.005	HONG KONG	Olympus	0.03	JAPAN
Merck Kgaa	0.04	GERMANY	NextEra Energy Inc	0.24	USA	Omnicom Group	0.04	USA
Mercury NZ	<0.005	NEW ZEALAND	NGK Insulators	0.01	JAPAN	Omron Corp	0.02	JAPAN
Meridian Energy	0.01	NEW ZEALAND	NGK Spark Plug	0.01	JAPAN	OMV	0.02	AUSTRIA
Merlin Properties Socimi SA	0.01	SPAIN	NH Foods	0.01	JAPAN	ONEOK Inc	0.07	USA
Metcash	<0.005	AUSTRALIA	NH Investment & Securities	<0.005	KOREA	Ono Pharmaceutical	0.02	JAPAN
Mettlife	0.09	USA	NHK Spring Co	<0.005	JAPAN	Open House	<0.005	JAPAN
Metro	0.01	GERMANY	NHN Entertainment	<0.005	KOREA	Oracle Corp.	0.34	USA
Metro Inc.	0.02	CANADA	NIBE Industrier B	0.01	SWEDEN	Oracle Corporation Japan	0.01	JAPAN
Metsu Corporation	0.01	FINLAND	Nice Ltd	0.02	ISRAEL	Orange	0.08	FRANCE
Mettler-Toledo	0.05	USA	Nichirei	0.01	JAPAN	Orica	0.01	AUSTRALIA
MGM China Holdings	<0.005	HONG KONG	Nidec Corp	0.08	JAPAN	Orient Corp	<0.005	JAPAN
MGM Resorts International	0.03	USA	Nielsen Holdings	0.02	USA	Oriental Land	0.06	JAPAN
Michelin B	0.05	FRANCE	Nifco	0.01	JAPAN	Origin Energy	0.02	AUSTRALIA
Microchip Technology	0.05	USA	Nihon Kohden	0.01	JAPAN	Orion	<0.005	KOREA
Micron Technology	0.12	USA	Nihon M&A Center	0.01	JAPAN	Orion B	0.01	FINLAND
Microsoft Corp	2.32	USA	Nihon Unisys Ltd	<0.005	JAPAN	Orix Corporation	0.05	JAPAN
Mid-America Apartment Comm	0.03	USA	Nike Inc Cl B	0.27	USA	Orkla A	0.02	NORWAY
Migdal Insurance & Financial Holdings Ltd.	<0.005	ISRAEL	Nikon Corp	0.01	JAPAN	Orora	0.01	AUSTRALIA
Minebea Mitsumi	0.02	JAPAN	Nintendo	0.08	JAPAN	ORPEA	0.01	FRANCE
Mint Group	0.01	HONG KONG	Nippo	<0.005	JAPAN	Orsted	0.03	DENMARK
Miraca Holdings	<0.005	JAPAN	Nippon Electric Glass	0.01	JAPAN	Osaka Gas	0.02	JAPAN
Mirae Asset Daewoo	0.01	KOREA	Nippon Express	0.01	JAPAN	OSG	<0.005	JAPAN
Mirae Asset Daewoo Pfd.	<0.005	KOREA	Nippon Gas	<0.005	JAPAN	Osram Licht AG	0.01	GERMANY
Mirvac Group	0.02	AUSTRALIA	Nippon Kayaku	0.01	JAPAN	Otsuka	0.01	JAPAN
MISUMI Group	0.02	JAPAN	Nippon Paint	0.02	JAPAN	Otsuka Holdings	0.04	JAPAN
Mitsubishi Chemical Holdings	0.02	JAPAN	Nippon Paper Industries	0.01	JAPAN	Ottogi	<0.005	KOREA
Mitsubishi Corp	0.09	JAPAN	Nippon Shinyaku	0.01	JAPAN	Oversea-Chinese Banking	0.07	SINGAPORE
Mitsubishi Electric Corp	0.07	JAPAN	Nippon Shokubai	0.01	JAPAN	OZ Minerals Ltd	0.01	AUSTRALIA
Mitsubishi Estate	0.06	JAPAN	Nippon Steel & Sumitomo Metal	0.04	JAPAN	Paccar	0.06	USA
			Nippon Television Holdings	<0.005	JAPAN	Packaging Corp of America	0.02	USA

Constituent	Index weight (%)	Country
Palo Alto Networks	0.06	USA
Pallac	<0.005	JAPAN
Pan Pacific International Holdings	0.02	JAPAN
Panasonic Corp	0.05	JAPAN
Pandora A/S	0.01	DENMARK
Paradise	<0.005	KOREA
Pargesa Holding	0.01	SWITZERLAND
Park Hotels & Resorts	0.02	USA
Park24	0.01	JAPAN
Parker-Hannifin	0.06	USA
Partners Group AG	0.03	SWITZERLAND
Paychex	0.07	USA
PayPal Holdings	0.32	USA
Paz Oil	<0.005	ISRAEL
PCCW	0.01	HONG KONG
Pembina Pipeline	0.05	CANADA
Penta Ocean Construction	<0.005	JAPAN
Pentair plc	0.02	USA
People's United Financial	0.02	USA
Pepsico	0.45	USA
Peptidream	0.01	JAPAN
Pernod Ricard	0.1	FRANCE
Perpetual	<0.005	AUSTRALIA
Perrigo Company plc	0.02	USA
Persol Holdings	0.01	JAPAN
Peugeot	0.03	FRANCE
Pfizer	0.63	USA
PG & E Corp.	0.02	USA
Philip Morris International	0.36	USA
Phillips 66	0.1	USA
Phoenix Holdings	<0.005	ISRAEL
Pigeon	0.01	JAPAN
Pilot	<0.005	JAPAN
Pinnacle West Capital Corp	0.03	USA
Pioneer Natural Resource	0.07	USA
Pirelli & C	0.01	ITALY
PKN (Polski Koncern Naftowy)	0.02	POLAND
PKO Bank Polski	0.02	POLAND
Plastic Omnium	<0.005	FRANCE
Platinum Asset Mangement Ltd/Australia	<0.005	AUSTRALIA
PNC Financial Services Group	0.15	USA
Pola Orbis Holdings	0.01	JAPAN
Polaris Inds	0.01	USA
Polska Grupa Energetyczna Sa	<0.005	POLAND
Polskie Gornictwo Naftowe I Gazownictwo	0.01	POLAND
Porsche Automobil Holding SE	0.02	GERMANY
Posco	0.04	KOREA
POSCO Chemtech	<0.005	KOREA
Posco Daewoo	<0.005	KOREA
Poste Italiane	0.01	ITALY
Power Assets Holdings	0.02	HONG KONG
Power Corp Canada	0.02	CANADA
Power Financial Corp	0.01	CANADA
Powszechny Zaklad Ubezpieczen SA	0.02	POLAND
PPG Industries	0.07	USA
PPL Corporation	0.06	USA
Prada	<0.005	HONG KONG
Price (T. Rowe) Group	0.06	USA
Principal Financial Group	0.04	USA
Procter & Gamble	0.67	USA
Progressive Corp	0.11	USA
Prologis	0.12	USA
ProSiebenSat.1 Media SE	0.01	GERMANY
Proximus	0.01	BELGIUM
Prudential Financial	0.1	USA
Prysmian	0.01	ITALY
PSP Swiss Property	0.01	SWITZERLAND
PTC	0.03	USA
Public Storage	0.08	USA
Public Svc Enterprise Group	0.08	USA
Publicis Groupe	0.03	FRANCE
Pulte Group	0.02	USA
Puma	0.01	GERMANY
PVH Corp.	0.02	USA
Qantas Airways	0.01	AUSTRALIA
QBE Insurance Group	0.03	AUSTRALIA
Qiagen Nv	0.02	GERMANY
Qorvo Inc.	0.02	USA
Qualcomm	0.18	USA
Qube Holdings	0.01	AUSTRALIA
Quest Diagnostics	0.03	USA
Qurate Retail	0.02	USA
Raiffeisen Bank International	0.01	AUSTRIA
Rakuten	0.02	JAPAN
Ralph Lauren Corp	0.02	USA
Ramsay Health Care	0.02	AUSTRALIA
Randsstad NV	0.01	NETHERLANDS
Rational	0.01	GERMANY
Raymond James Financial	0.03	USA
Raytheon	0.14	USA
REA Group	0.01	AUSTRALIA
Realty Income	0.06	USA
Recordati	0.01	ITALY
Recruit Holdings	0.09	JAPAN
RED ELECTRICA CORP SA	0.02	SPAIN
Red Hat Inc	0.08	USA
Regency Centers	0.03	USA

Constituent	Index weight (%)	Country
Regeneron Phar	0.09	USA
Regions Financial	0.04	USA
Relo Holdings	0.01	JAPAN
Remy Cointreau	0.01	FRANCE
RenaissanceRe	0.01	USA
Renault	0.03	FRANCE
Renesas Electronics	0.01	JAPAN
Rengo	0.01	JAPAN
Repsol	0.06	SPAIN
Republic Services	0.05	USA
Resideo Technologies	0.01	USA
Resmed Inc	0.04	USA
Resona Holdings	0.02	JAPAN
Resortrust	<0.005	JAPAN
Restaurant Brands International	0.04	CANADA
Rexel S.A.	0.01	FRANCE
Rheinmetall	0.01	GERMANY
Ricoh	0.02	JAPAN
Rinnai Corp	0.01	JAPAN
Rio Tinto Ltd.	0.07	AUSTRALIA
Riocan REIT	0.02	CANADA
Robert Half International	0.02	USA
Roche Hldgs (BR)	0.02	SWITZERLAND
Roche Hldgs (GENUS)	0.5	SWITZERLAND
Rocket Internet SE	<0.005	GERMANY
Rockwell Automation	0.05	USA
Rockwool Int B	<0.005	DENMARK
Rogers Communications B	0.05	CANADA
Rohm	0.01	JAPAN
Rohto Pharmaceutical	0.01	JAPAN
Rollins Inc	0.02	USA
Roper Technologies	0.09	USA
Ross Stores	0.09	USA
Royal Bank Of Canada	0.28	CANADA
Royal Caribbean Cruises	0.05	USA
Royal DSM	0.05	NETHERLANDS
Royal KPN	0.03	NETHERLANDS
RTL Group	0.01	GERMANY
Rubis	0.01	FRANCE
RWE	0.04	GERMANY
RWE Pref	<0.005	GERMANY
Ryman Healthcare	0.01	NEW ZEALAND
Ryohin Keikaku	0.02	JAPAN
S&P Global	0.14	USA
S1 Corporation	<0.005	KOREA
Sa Sa International Holdings	<0.005	HONG KONG
SAAB B	0.01	SWEDEN
Safran	0.12	FRANCE
Saipem	0.01	ITALY
Salesforce.com	0.3	USA
Salmar ASA	0.01	NORWAY
Salvatore Ferragamo	<0.005	ITALY
Sampo Oyi	0.06	FINLAND
Samsonite International	0.01	HONG KONG
Samsung Biologics	0.01	KOREA
Samsung C&T	0.02	KOREA
Samsung Card	<0.005	KOREA
Samsung Electro-Mechanics	0.01	KOREA
Samsung Electronics	0.48	KOREA
Samsung Electronics Pfd.	0.06	KOREA
Samsung Eng	0.01	KOREA
Samsung Fire & Marine Insurance	0.02	KOREA
Samsung Fire & Marine Insurance Pfd.	<0.005	KOREA
Samsung Heavy Industries	0.01	KOREA
Samsung Life Insurance Co. Ltd.	0.01	KOREA
Samsung SDI	0.03	KOREA
Samsung SDS	0.02	KOREA
Samsung Securities	<0.005	KOREA
Sands China	0.03	HONG KONG
Sandvik AB	0.05	SWEDEN
San-In Godo Bk	<0.005	JAPAN
Sankyo	0.01	JAPAN
Sankyu	0.01	JAPAN
Sanofi	0.25	FRANCE
Sanrio	<0.005	JAPAN
Santander Bank Polska SA	0.01	POLAND
Santander Consumer USA Holdings	0.01	USA
Santen Pharmaceutical	0.01	JAPAN
Santos	0.02	AUSTRALIA
Sanwa Holdings	0.01	JAPAN
SAP	0.29	GERMANY
Sapporo Holdings	<0.005	JAPAN
Saputo	0.02	CANADA
Sartorius AG Pref	0.02	GERMANY
Sartorius Stedim Biotech	0.01	FRANCE
SATS	0.01	SINGAPORE
Sawai Pharmaceutical	0.01	JAPAN
SBA Communications	0.06	USA
SBI Holdings	0.01	JAPAN
SCA A	<0.005	SWEDEN
SCA B	0.01	SWEDEN
Scentre Group	0.04	AUSTRALIA
Schibsted A	0.01	NORWAY
Schibsted B	0.01	NORWAY
Schindler Holding (Cert)	0.02	SWITZERLAND
Schindler Holding (Reg)	0.01	SWITZERLAND
Schlumberger	0.16	USA
Schneider Electric	0.1	FRANCE

Constituent	Index weight (%)	Country
Schwab (Charles) Corp	0.13	USA
Scor S.A.	0.02	FRANCE
Scout24	0.01	GERMANY
SCREEN Holdings	<0.005	JAPAN
SCSK	<0.005	JAPAN
Seagate Technology	0.03	USA
Sealed Air	0.02	USA
SEB	0.01	FRANCE
SEB C	<0.005	SWEDEN
Secom	0.04	JAPAN
Securitas AB B	0.01	SWEDEN
Seek	0.01	AUSTRALIA
Sega Sammy Holdings	0.01	JAPAN
SEI Invest Co	0.02	USA
Seibu Holdings	0.01	JAPAN
Seiko Epson	0.01	JAPAN
Seino Holdings	0.01	JAPAN
Sekisui Chemical	0.01	JAPAN
Sekisui House	0.02	JAPAN
Sembcorp Industries	<0.005	SINGAPORE
Sembcorp Marine	<0.005	SINGAPORE
Semiconductor Manufacturing International Corp	0.01	HONG KONG
Sempra Energy	0.09	USA
Sensata Technologies Holding Plc	0.02	USA
ServiceNow	0.11	USA
SES FDR	0.01	FRANCE
Seven & I Holdings	0.08	JAPAN
Seven Bank	0.01	JAPAN
Seven Group Holdings	<0.005	AUSTRALIA
SG Holdings	0.02	JAPAN
SGS S.A.	0.03	SWITZERLAND
Shangri-La Asia	<0.005	HONG KONG
Sharp	<0.005	JAPAN
Shaw Communications Inc CL B	0.02	CANADA
Sherwin-Williams	0.09	USA
Shiga Bank	<0.005	JAPAN
Shikoku Electric Power	<0.005	JAPAN
Shima Seiki Manufacturing	<0.005	JAPAN
Shimachu	<0.005	JAPAN
Shimadzu Corp	0.02	JAPAN
Shimamura	<0.005	JAPAN
Shimano	0.03	JAPAN
Shimizu Corp	0.01	JAPAN
Shin-Etsu Chemical	0.09	JAPAN
Shinhan Financial Group	0.04	KOREA
Shinsegae	0.01	KOREA
Shinsei Bank	0.01	JAPAN
Shionogi	0.05	JAPAN
Shiseido	0.07	JAPAN
Shizuoka Bank	0.01	JAPAN
Sho-Bond Holdings	<0.005	JAPAN
Shochiku	<0.005	JAPAN
SHOPIFY INC	0.05	CANADA
Shopping Centres Australasia Property Group	<0.005	AUSTRALIA
Shougang Fushan Resources Group	<0.005	HONG KONG
Showa Denko	0.01	JAPAN
Shufersal Ltd.	<0.005	ISRAEL
Shui On Land	<0.005	HONG KONG
Shun Tak Holdings	<0.005	HONG KONG
SIA Engineering	<0.005	SINGAPORE
Siemens AG	0.21	GERMANY
Siemens Gamesa Renewable Energy SA	0.01	SPAIN
Siemens Healthineers	0.01	GERMANY
Signify NV	0.01	NETHERLANDS
Sika	0.05	SWITZERLAND
SillaJen	0.01	KOREA
Simon Property Group	0.15	USA
Sims Metal Management	<0.005	AUSTRALIA
Singapore Airlines	0.01	SINGAPORE
Singapore Exchange	0.01	SINGAPORE
Singapore Post Ltd	<0.005	SINGAPORE
Singapore Press Holdings	0.01	SINGAPORE
Singapore Technologies Engineering	0.01	SINGAPORE
Singapore Telecommunications	0.04	SINGAPORE
Sino Land	0.02	HONG KONG
Sirius XM Holdings	0.02	USA
SJM Holdings	0.01	HONG KONG
SK Holdings	0.02	KOREA
SK Hynix	0.09	KOREA
SK Innovation	0.02	KOREA
Sk Networks	<0.005	KOREA
SK Telecom	0.01	KOREA
Skand Enskilda Bkn A	0.03	SWEDEN
Skanska B	0.02	SWEDEN
SKC	<0.005	KOREA
SKF B	0.02	SWEDEN
Sky City Entertainment Group	<0.005	NEW ZEALAND
SKY Perfect JSAT Holdings	<0.005	JAPAN
Skylark Holdings	0.01	JAPAN
Skyworks Solutions Inc	0.04	USA
SL Green Realty	0.02	USA
SMC Corp	0.06	JAPAN
Snam	0.03	ITALY
Snap-On Inc	0.02	USA
SNC-Lavalin Group	0.01	CANADA

Constituent	Index weight (%)	Country	Constituent	Index weight (%)	Country	Constituent	Index weight (%)	Country
Societe Generale	0.05	FRANCE	Taiyo Nippon Sanso	0.01	JAPAN	TransUnion	0.03	USA
Sodexo	0.02	FRANCE	Taiyo Yuden	0.01	JAPAN	Transurban Group	0.07	AUSTRALIA
Sofina	0.01	BELGIUM	Takara Bio	<0.005	JAPAN	Travelers Cos Inc.	0.09	USA
SoftBank	0.05	JAPAN	Takara Holdings	0.01	JAPAN	Treasury Wine Estates	0.02	AUSTRALIA
SoftBank Group	0.21	JAPAN	Takashimaya	0.01	JAPAN	Trelleborg Ab Ser B	0.01	SWEDEN
Sohgo Security Services	0.01	JAPAN	Takeda Pharmaceutical	0.16	JAPAN	Trend Micro	0.01	JAPAN
S-Oil Corp.	0.01	KOREA	Take-Two Interactive Software	0.03	USA	Trimble	0.03	USA
Sojitz	0.01	JAPAN	Talanx AG	<0.005	GERMANY	TripAdvisor	0.01	USA
Solvay A	0.02	BELGIUM	Tapescy	0.02	USA	Tryg A/S	0.01	DENMARK
Sompo Holdings	0.03	JAPAN	Targa Resources Corp.	0.02	USA	TS TECH	<0.005	JAPAN
Sonic Healthcare	0.02	AUSTRALIA	Target Corp	0.11	USA	Tsumura & Co	0.01	JAPAN
Sonova Holding AG	0.03	SWITZERLAND	TD Ameritrade Holding	0.04	USA	Tsuruha Holdings	0.01	JAPAN
Sony Corp	0.14	JAPAN	TDK Corp	0.02	JAPAN	TV Asahi Holdings	<0.005	JAPAN
Sony Financial Holdings Inc.	0.01	JAPAN	TE Connectivity	0.07	USA	Twitter	0.06	USA
Sotetsu Holdings Inc	0.01	JAPAN	TechnipFMC	0.03	FRANCE	Tyson Foods Inc A	0.05	USA
South32	0.03	AUSTRALIA	TechnoPro Holdings	0.01	JAPAN	Ube Industries	0.01	JAPAN
Southern Co	0.14	USA	Teclonic Industries	0.02	HONG KONG	Ubi Banca	0.01	ITALY
Southern Copper Corp.	0.01	USA	Teck Resources Ltd	0.03	CANADA	Ubisoft Entertainment	0.02	FRANCE
Southwest Airlines	0.02	USA	Temco Koei Holdings	<0.005	JAPAN	UBS Group AG	0.11	SWITZERLAND
Spark New Zealand	0.01	NEW ZEALAND	Teijin	0.01	JAPAN	UCB Cap	0.03	BELGIUM
Splunk	0.05	USA	Tele2 AB	0.02	SWEDEN	UDR	0.03	USA
Sprint Corporation	0.01	USA	Telecom Italia	0.02	ITALY	Ultra Beauty	0.05	USA
Square Class A	0.06	USA	Telecom Italia Rsp	0.01	ITALY	Ulvac	<0.005	JAPAN
Square Enix Holdings	0.01	JAPAN	Teleflex Inc	0.04	USA	Umicore	0.02	BELGIUM
SS&C Technologies Holdings	0.04	USA	Telefonica	0.1	SPAIN	Under Armour Class A	0.01	USA
SsangYong Cement Industrial	<0.005	KOREA	Telefonica Deutschland Holdings	0.01	GERMANY	Under Armour Class C	0.01	USA
St Gobain (Cie De)	0.05	FRANCE	Telekom Austria	<0.005	AUSTRIA	Uni-Charm	0.03	JAPAN
Stanley Black & Decker	0.05	USA	Telenet Group Holding NV	0.01	BELGIUM	Unicredit	0.07	ITALY
Stanley Electric	0.01	JAPAN	Telenor A/S	0.03	NORWAY	Unilever NV CVA	0.23	NETHERLANDS
Starbucks	0.23	USA	Teleperformance	0.03	FRANCE	Union Pacific Corp	0.31	USA
StarHub	<0.005	SINGAPORE	Television Broadcast	<0.005	HONG KONG	Uniper SE	0.02	GERMANY
State Street Corp.	0.06	USA	Telia Co AB	0.03	SWEDEN	UnipolSai	<0.005	ITALY
Steel Dynamics	0.02	USA	Telstra Corp	0.03	AUSTRALIA	Uni-President China Holdings Ltd.	<0.005	HONG KONG
STMicroelectronics	0.02	FRANCE	Telus Corporation	0.02	CANADA	United Continental Holdings	0.01	USA
Stockland	0.02	AUSTRALIA	Temenos Group	0.02	SWITZERLAND	United Energy Group	<0.005	HONG KONG
Stora Enso R	0.02	FINLAND	Tenaris	0.02	ITALY	United Inter Na	0.01	GERMANY
Straumann Hld N	0.02	SWITZERLAND	Terna	0.02	ITALY	United Overseas Bank	0.06	SINGAPORE
Strauss Group	<0.005	ISRAEL	Terumo Corp	0.05	JAPAN	United Parcel Service	0.2	USA
Stryker	0.17	USA	Tesla	0.1	USA	United Rentals	0.02	USA
Subaru	0.04	JAPAN	Teva Pharmaceutical	0.04	ISRAEL	United Technologies	0.27	USA
Subsea 7	0.01	NORWAY	Texas Instruments	0.26	USA	Unitedhealth Group	0.61	USA
Suedzucker	<0.005	GERMANY	Textron	0.03	USA	Universal Health Services B	0.03	USA
Suez	0.01	FRANCE	Thales	0.03	FRANCE	Unum Group	0.02	USA
Sugi Holdings	<0.005	JAPAN	The Star Entertainment Group	0.01	AUSTRALIA	UOL Group	0.01	SINGAPORE
Sulzer AG	<0.005	SWITZERLAND	Thermo Fisher Scientific	0.28	USA	UPM-Kymmene	0.04	FINLAND
Sumco	0.01	JAPAN	THK	0.01	JAPAN	US Bancorp	0.19	USA
Sumitomo Bakelite	<0.005	JAPAN	Thomson Reuters	0.03	CANADA	Ushio Inc	<0.005	JAPAN
Sumitomo Chemical	0.02	JAPAN	Thyssen Krupp	0.02	GERMANY	USS	0.01	JAPAN
Sumitomo Corp	0.04	JAPAN	Tiffany & Co	0.03	USA	Vail Resorts	0.02	USA
Sumitomo Dainippon Pharma	0.01	JAPAN	Tingyi (Cayman Islands) Holdings	0.01	HONG KONG	Valeo	0.02	FRANCE
Sumitomo Electric Industries	0.03	JAPAN	TIS	0.01	JAPAN	Valero Energy	0.09	USA
Sumitomo Forestry	<0.005	JAPAN	TJX Companies	0.17	USA	Varian Medical	0.03	USA
Sumitomo Heavy Ind	0.01	JAPAN	T-Mobile US Inc.	0.06	USA	Veeva Systems	0.04	USA
Sumitomo Metal Mining	0.02	JAPAN	Tobu Railway	0.02	JAPAN	Ventas Inc	0.06	USA
Sumitomo Mitsui Financial Group	0.12	JAPAN	Toda Corp	<0.005	JAPAN	Venture Corp	0.01	SINGAPORE
Sumitomo Mitsui Trust Holdings	0.03	JAPAN	Toho	0.01	JAPAN	Veolia Environnement	0.03	FRANCE
Sumitomo Osaka Cement	<0.005	JAPAN	Toho Gas	0.01	JAPAN	VEON Ltd	<0.005	NETHERLANDS
Sumitomo Realty & Development	0.04	JAPAN	Tohoku Elec Power	0.02	JAPAN	Verbund Oesterreich Elektrizitats	0.01	AUSTRIA
Sumitomo Rubber Industries	0.01	JAPAN	Tokai Carbon	0.01	JAPAN	VEREIT	0.02	USA
Sun Art Retail Group	0.01	HONG KONG	Tokai Rika	<0.005	JAPAN	VeriSign Inc	0.05	USA
Sun Hung Kai Props	0.06	HONG KONG	Tokai Tokyo Financial Holdings	<0.005	JAPAN	Verisk Analytics	0.06	USA
Sun Life Financial	0.06	CANADA	Tokio Marine Holdings	0.08	JAPAN	Verizon Communications	0.63	USA
Suncor Energy	0.14	CANADA	Tokuyama Corp	<0.005	JAPAN	Vertex Pharm	0.12	USA
Suncorp Group	0.03	AUSTRALIA	Tokyo Broadcasting System Holdings	<0.005	JAPAN	Vestas Wind Systems	0.04	DENMARK
Sundrug Co Ltd	<0.005	JAPAN	Tokyo Century	0.01	JAPAN	VF Corp	0.07	USA
Suntec REIT	0.01	SINGAPORE	Tokyo Electric Power Co Holdings	0.03	JAPAN	Viacom (New) Class B	0.03	USA
Suntory Beverage & Food	0.02	JAPAN	Tokyo Electron	0.06	JAPAN	Vicinity Centers	0.02	AUSTRALIA
Suntrust Banks	0.07	USA	Tokyo Gas	0.03	JAPAN	Vienna Insurance Group	<0.005	AUSTRIA
Suzuken	0.01	JAPAN	Tokyo Tatemono	0.01	JAPAN	Vifor Pharma AG	0.02	SWITZERLAND
Suzuki Motor	0.05	JAPAN	Tokyuu Corp	0.02	JAPAN	Vinci	0.12	FRANCE
SVB Financial Group	0.03	USA	Tokyuu Fudosan Holdings	0.01	JAPAN	ViroMed	0.01	KOREA
Svenska Handelsbk B	<0.005	SWEDEN	Toll Brothers	0.01	USA	Visa	0.71	USA
Svenska Handelsbnk A	0.04	SWEDEN	Topcon Corp	<0.005	JAPAN	Vistra Energy	0.03	USA
Swatch Group AG BR	0.02	SWITZERLAND	Toppan Printing	0.01	JAPAN	Vitasoy International Holdings	0.01	HONG KONG
Swatch Group AG Reg.	0.01	SWITZERLAND	Toray Industries	0.03	JAPAN	Vivendi	0.07	FRANCE
Swedbank AB Series A	0.04	SWEDEN	Torchmark Corp	0.02	USA	VMware Inc.	0.03	USA
Swedish Match	0.02	SWEDEN	Toronto-Dominion Com	0.26	CANADA	Vocus Group	<0.005	AUSTRALIA
Swedish Orphan Biovitrum AB	0.01	SWEDEN	Toshiba Corp	0.05	JAPAN	Voestalpine	0.01	AUSTRIA
Swire Pacific A	0.02	HONG KONG	Toshiba Plant Systems & Services	<0.005	JAPAN	Volkswagen	0.01	GERMANY
Swire Pacific B	<0.005	HONG KONG	Tosoh	0.01	JAPAN	Volkswagen Pfd	0.07	GERMANY
Swire Properties	0.01	HONG KONG	Total	0.36	FRANCE	Volvo B	0.06	SWEDEN
Swiss Life	0.04	SWITZERLAND	Total System Services	0.04	USA	Vonovia SE	0.07	GERMANY
Swiss Prime Site	0.02	SWITZERLAND	Toto	0.02	JAPAN	Vopak Nv	0.01	NETHERLANDS
Swiss Re	0.08	SWITZERLAND	Tower Semiconductor Ltd	<0.005	ISRAEL	Vornado Realty	0.03	USA
Swisscom	0.03	SWITZERLAND	Towngas China	<0.005	HONG KONG	Voya Financial	0.02	USA
Sydney Airport	0.02	AUSTRALIA	Toyo Seikan Group Holdings	0.01	JAPAN	VTech Holdings	<0.005	HONG KONG
Symantec Corp	0.04	USA	Toyo Suisan Kaisha	0.01	JAPAN	Vulcan Materials	0.04	USA
Symrise AG	0.03	GERMANY	Toyo Tire	<0.005	JAPAN	W. P. Carey Inc.	0.03	USA
Synchrony Financial	0.06	USA	Toyobo Co	<0.005	JAPAN	Wabtec	0.03	USA
Synopsys Inc	0.04	USA	Toyoda Gosei	<0.005	JAPAN	Wacker Chemie	<0.005	GERMANY
Sysco Corp	0.08	USA	Toyota Boshoku	<0.005	JAPAN	Wacoal Holdings	<0.005	JAPAN
Systemex	0.03	JAPAN	Toyota Industries	0.02	JAPAN	Walgreens Boots Alliance	0.13	USA
T&D Holdings	0.02	JAPAN	Toyota Motor	0.38	JAPAN	Walmart	0.36	USA
Tabcorp Holdings	0.02	AUSTRALIA	Toyota Tsusho	0.02	JAPAN	Want Want China Holdings Ltd.	0.01	HONG KONG
Tadano	<0.005	JAPAN	TPG Telecom	<0.005	AUSTRALIA	Wartsila B	0.02	FINLAND
Taiheiyu Cement Corp	0.01	JAPAN	Tractor Supply	0.03	USA	Washington H. Soul Pattinson	<0.005	AUSTRALIA
Taisei	0.03	JAPAN	TransCanada	0.11	CANADA	Waste Connections Inc	0.06	CANADA
Taisho Pharmaceutical Holdings	0.01	JAPAN	TransDigm	0.06	USA	Waste Mgmt Inc	0.11	USA

Constituent	Index weight (%)	Country
Waters Corp	0.05	USA
WEC Energy Group	0.06	USA
Welcia Holdings	<0.005	JAPAN
Wellcare Health Plans	0.03	USA
Wells Fargo & Company	0.52	USA
Welltower Inc.	0.07	USA
Wendel	0.01	FRANCE
Westfarmers	0.07	AUSTRALIA
West Japan Railway	0.04	JAPAN
Western Digital	0.04	USA
Western Union	0.02	USA
Westlake Chemical	0.01	USA
Weston (George)	0.01	CANADA
Westpac Banking Corp	0.16	AUSTRALIA
WestRock Company	0.02	USA
Weyerhaeuser	0.05	USA
WFD Unibail-Rodamco	0.06	NETHERLANDS
WH Group	0.02	HONG KONG
Wharf Holdings	0.01	HONG KONG
Wharf Real Estate Investment	0.02	HONG KONG
Wheaton Precious Metals	0.03	CANADA
Wheelock	0.02	HONG KONG
Whirlpool Corp	0.02	USA
Whitehaven Coal	0.01	AUSTRALIA
Williams Cos	0.09	USA
Willis Towers Watson plc	0.06	USA
Wilmar International Limited	0.01	SINGAPORE
Wing Tai Holdings	<0.005	SINGAPORE

Constituent	Index weight (%)	Country
Wirecard	0.04	GERMANY
Wisetech Global	<0.005	AUSTRALIA
Wolters Kluwer CVA	0.05	NETHERLANDS
Woodside Petroleum	0.06	AUSTRALIA
Woolworths Group	0.07	AUSTRALIA
Woori Financial Group	0.02	KOREA
Workday	0.07	USA
Worldline	0.01	FRANCE
Worldpay	0.09	USA
WorleyParsons Ltd.	0.01	AUSTRALIA
Wyndham Hotels & Resorts	0.01	USA
Wynn Macau Ltd.	0.01	HONG KONG
Wynn Resorts	0.03	USA
XCEL Energy	0.07	USA
Xero	0.01	AUSTRALIA
Xerox Corp	0.02	USA
Xilinx	0.08	USA
Xinyi Glass Holding	0.01	HONG KONG
Xinyi Solar Holdings	<0.005	HONG KONG
XPO Logistics	0.02	USA
Xylem Inc.	0.04	USA
Yahoo Japan	0.01	JAPAN
Yakult Honsha	0.02	JAPAN
Yamada Denki	0.01	JAPAN
Yamaguchi Financial Group	0.01	JAPAN
Yamaha	0.02	JAPAN
Yamaha Motor	0.01	JAPAN
Yamato Holdings	0.02	JAPAN

Constituent	Index weight (%)	Country
Yamato Kogyo	<0.005	JAPAN
Yamazaki Baking	0.01	JAPAN
Yandex N.V. CI A	0.02	USA
Yaoko Co Ltd	<0.005	JAPAN
Yara International	0.02	NORWAY
Yaskawa Electric	0.02	JAPAN
Yokogawa Electric	0.01	JAPAN
Yokohama Rubber	0.01	JAPAN
Yue Yuen Industrial	0.01	HONG KONG
Yuhan	<0.005	KOREA
Yum Brands	0.08	USA
Yum China Holdings	0.04	USA
Zalando SE	0.01	GERMANY
Zardoya Otis	<0.005	SPAIN
Zenkoku Hoshu	<0.005	JAPAN
Zensho Holdings	0.01	JAPAN
Zeon Corporation	<0.005	JAPAN
Zillow Group	<0.005	USA
Zillow Group CL C	0.01	USA
Zimmer Biomet Holdings	0.07	USA
Zions Bancorporation N.A.	0.02	USA
Zoetis	0.13	USA
ZOZO Inc	0.01	JAPAN
Zürich Insurance Group	0.13	SWITZERLAND

Data Explanation

Weights

Weights data is indicative, as values have been rounded up or down to two decimal points. Where very small values are concerned, which would display as 0.00 using this rounding method, these weights are shown as <0.005.

ICB Supersector Code and Supersector Descriptions

Information on the Industrial Classification Benchmark (ICB) is available from www.icbenchmark.com.

Timing of data

Constituents & Weights are generally published in arrears and contain the data as at the most recent quarter-end. However, some spreadsheets are updated on a more frequent basis. Please refer to the data date shown.

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Data definitions available from www.ftserussell.com

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