

# ESMA Compliance Quarterly Membership Weights

Russell 1000®	Weight(%)	Country	Russell 1000®	Weight(%)	Country	Russell 1000®	Weight(%)	Country
10x Genomics	0.012	United States	Agnc Investment	0.014	United States	Alphabet Inc Cl C	1.611	United States
3m Co	0.137	United States	Agree Realty Corp	0.014	United States	Alteryx Inc	0.007	United States
Abbott Laboratories	0.434	United States	Air Lease Corp	0.010	United States	Altria Group Inc	0.164	United States
Abbvie Inc	0.623	United States	Air Products & Chemicals	0.138	United States	Amazon Com Inc	3.118	United States
Acadia Healthcare Co	0.016	United States	Airbnb	0.126	United States	Amc Entertainment	0.003	United States
Accenture Plc Ireland	0.505	United States	Akamai Technologies	0.040	United States	Amcors	0.032	United States
Acuity Brands Inc	0.015	United States	Alaska Air Group Inc	0.011	United States	Amdocs Ltd	0.023	United States
Adobe Inc	0.623	United States	Albemarle Corp	0.038	United States	Amedisys Inc	0.007	United States
Adt Inc	0.003	United States	Albertsons Companies	0.022	United States	Ameren Corp	0.043	United States
Advance Auto Parts Inc	0.008	United States	Alcoa Corporation	0.014	United States	American Airlines Group	0.020	United States
Advanced Drainage System	0.022	United States	Alexandria Real Estate	0.049	United States	American Electric Power	0.095	United States
Advanced Micro Devices	0.538	United States	Align Technology Inc	0.048	United States	American Express Co	0.247	United States
Aecom	0.028	United States	Allegion Plc	0.025	United States	American Financial Group	0.020	United States
Aes Corp	0.029	United States	Allegro Microsystems	0.005	United States	American Homes 4 Rent	0.027	United States
Affiliated Managers Grp	0.012	United States	Alliant Energy Corp	0.029	United States	American Intl Group	0.110	United States
Affirm Holdings	0.025	United States	Allison Transmission	0.012	United States	American Tower Corp	0.229	United States
Aflac Inc	0.111	United States	Allstate Corp	0.084	United States	American Wtr Wks Co Inc	0.059	United States
Agco Corp	0.017	United States	Ally Finl Inc	0.021	United States	Americold Realty Trust	0.019	United States
Agilent Technologies Inc	0.092	United States	Alnylam Pharmaceuticals	0.054	United States	Ameriprise Financial Inc	0.089	United States
Agilon Health	0.008	United States	Alphabet Inc Cl A	1.890	United States	Ametek Inc	0.086	United States

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Amgen Inc	0.350	United States	Ardagh Metal Packaging	0.001	United States	Avis Budget Group Inc	0.008	United States
Amphenol Corp	0.132	United States	Ares Management Corp	0.044	United States	Avnet Inc	0.010	United States
Analog Devices Inc	0.225	United States	Arista Networks Inc	0.134	United States	Axalta Coating Systems	0.017	United States
Annaly Capital Mgmt Inc	0.022	United States	Armstrong World Inds Inc	0.010	United States	Axis Capital Holdings	0.010	United States
Ansys Inc	0.072	United States	Arrow Electronics Inc	0.015	United States	Axon Enterprise Inc	0.041	United States
Antero Midstream Corp	0.010	United States	Ashland Inc	0.009	United States	Azenta Inc	0.009	United States
Antero Resources Co	0.015	United States	Aspen Technology Inc	0.014	United States	Baker Hughes Company	0.079	United States
Aon Plc	0.131	United States	Assurant Inc	0.020	United States	Ball Corp	0.040	United States
Apa Corporation	0.025	United States	Assured Guaranty Ltd	0.010	United States	Bank Of America Corp	0.528	United States
Apartment Income Reit	0.012	United States	At&t Inc	0.274	United States	Bank Of New York Mellon	0.091	United States
Apellis Pharmaceuticals	0.014	United States	Atlassian Corp Plc	0.084	United States	Bank Ozk	0.012	United States
Apollo Global Management	0.111	United States	Atmos Energy Corp	0.039	United States	Bath & Body Works Inc	0.022	United States
Apple Inc	6.466	United States	Autodesk Inc	0.119	United States	Baxter International Inc	0.044	United States
Applied Matls Inc	0.308	United States	Automatic Data Process	0.219	United States	Becton Dickinson & Co	0.161	United States
Applovin	0.019	United States	Autonation Inc	0.010	United States	Bentley Systems	0.023	United States
Aptargroup Inc	0.018	United States	Autozone Inc	0.104	United States	Berkley W R Corp	0.032	United States
Aptiv Plc	0.055	United States	Avalonbay Cmnty Inc	0.060	United States	Berkshire Hathaway Inc	1.487	United States
Aramark	0.015	United States	Avangrid Inc	0.005	United States	Berry Global Group	0.018	United States
Arch Cap Group Ltd	0.060	United States	Avantor Inc	0.035	United States	Best Buy Inc	0.035	United States
Archer Daniels Midland	0.088	United States	Avery Dennison Corp	0.037	United States	Bill Holdings Inc	0.019	United States

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Bio-rad Laboratories Inc	0.015	United States	Bright Horizon Family	0.012	United States	Caesars Entertainment In	0.022	United States
Bio-technie Corp	0.027	United States	Brighthouse Financial	0.008	United States	Camden Property Trust	0.023	United States
Biogen Inc	0.085	United States	Bristol Myers Squibb	0.238	United States	Campbell Soup Co	0.019	United States
Biomarin Pharmaceutical	0.041	United States	Brixmor Property Group	0.016	United States	Capital One Financial	0.113	United States
Birkenstock Holding	0.003	United States	Broadcom Inc	1.096	United States	Capri Holdings Limited	0.013	United States
Bj's Wholesale Club Hdlg	0.020	United States	Broadridge Financial Inc	0.055	United States	Cardinal Health Inc	0.057	United States
Blackrock Inc	0.275	United States	Brookfield Renewable Cor	0.009	United States	Carlisle Cos Inc	0.034	United States
Blackstone Inc	0.212	United States	Brown & Brown Inc	0.038	United States	Carlyle Group Inc	0.020	United States
Block H & R Inc	0.016	United States	Brown Forman Corp CI A	0.007	United States	Carmax Inc	0.028	United States
Block Inc (a)	0.095	United States	Brown Forman Corp CI B	0.024	United States	Carnival Corp	0.042	United States
Blue Owl Capital	0.015	United States	Bruker Corp	0.018	United States	Carrier Global	0.109	United States
Boeing Co	0.331	United States	Brunswick Corp	0.015	United States	Carter Inc	0.006	United States
Bok Financial Corp	0.006	United States	Builders Firstsource Inc	0.047	United States	Caseys General Stores	0.023	United States
Booking Holdings Inc	0.288	United States	Bunge Global Sa	0.033	United States	Catalent Inc	0.018	United States
Booz Allen Hamilton Hldg	0.037	United States	Burlington Stores Inc	0.029	United States	Caterpillar Inc	0.344	United States
Borg Warner Inc	0.019	United States	Bwx Technologies Inc	0.016	United States	Cava Group Inc	0.002	United States
Boston Beer Inc	0.007	United States	C H Robinson Worldwide	0.023	United States	Cboe Global Markets Inc	0.043	United States
Boston Properties Inc	0.025	United States	Cable One Inc	0.007	United States	Cbre Group Inc	0.064	United States
Boston Scientific Co	0.193	United States	Caci International Inc	0.016	United States	Ccc Intelligent Inc (a)	0.005	United States
Boyd Gaming Corp	0.010	United States	Cadence Design Systems	0.168	United States	Cdw Corporation	0.070	United States

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Celanese Corp	0.035	United States	Ciena Corp	0.015	United States	Cognizant Tech Solutions	0.087	United States
Celsius Holdings Inc	0.018	United States	Cincinnati Financial	0.036	United States	Coherent Corp	0.013	United States
Cencora Inc	0.076	United States	Cintas Corp	0.119	United States	Coinbase Global	0.067	United States
Centene Corp	0.090	United States	Cirrus Logic Inc	0.010	United States	Colgate Palmolive Co	0.149	United States
Centerpoint Energy Inc	0.041	United States	Cisco Systems Inc	0.467	United States	Columbia Banking System	0.013	United States
Ceridian Hcm Holding	0.023	United States	Citigroup Inc	0.224	United States	Columbia Sportswear Co	0.006	United States
Certara	0.005	United States	Citizens Financial Inc	0.035	United States	Comcast Corp Cl A	0.399	United States
Cf Industries Holdings	0.035	United States	Clarivate Plc (a)	0.010	United States	Comerica Inc	0.017	United States
Chargepoint Holdings (a)	0.002	United States	Clean Harbors Inc	0.020	United States	Commerce Bancshares Inc	0.015	United States
Charles River Labs Intl	0.027	United States	Clearway Energy	0.002	United States	Conagra Brands Inc	0.031	United States
Charter Comm Inc	0.089	United States	Clearway Energy (c)	0.005	United States	Concentrix	0.010	United States
Chemed Corporation	0.020	United States	Cleveland-cliffs Inc	0.023	United States	Confluent	0.010	United States
Cheniere Energy Inc	0.093	United States	Clorox Co	0.040	United States	Conocophillips	0.317	United States
Chesapeake Energy	0.022	United States	Cloudflare	0.055	United States	Consolidated Edison Inc	0.072	United States
Chevron Corp	0.584	United States	Cme Group Inc	0.172	United States	Constellation Brands	0.089	United States
Chipotle Mexican Grill	0.143	United States	Cms Energy Corp	0.038	United States	Constellation Energy	0.086	United States
Choice Hotels Intl Inc	0.008	United States	Cna Financial Corp	0.003	United States	Cooper Companies Inc	0.042	United States
Chubb Limited	0.209	United States	Cnh Industrial N.v.	0.027	United States	Copart Inc	0.096	United States
Church & Dwight Inc	0.053	United States	Coca Cola Co	0.523	United States	Core & Main	0.012	United States
Churchill Downs Inc	0.022	United States	Cognex Corp	0.016	United States	Corebridge Financial Inc	0.011	United States

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Corning Inc	0.053	United States	Cvs Health Corporation	0.230	United States	Dolby Laboratories Inc	0.012	United States
Corteva	0.078	United States	D R Horton Inc	0.108	United States	Dollar General Corp	0.068	United States
Costar Group Inc	0.080	United States	Danaher Corp	0.347	United States	Dollar Tree Inc	0.067	United States
Costco Wholesale Corp	0.666	United States	Darden Restaurants Inc	0.045	United States	Dominion Energy Inc	0.089	United States
Coterra Energy Inc	0.043	United States	Darling Ingredients Inc	0.018	United States	Dominos Pizza Inc	0.033	United States
Coty Inc	0.011	United States	Datadog	0.075	United States	Donaldson Inc	0.018	United States
Coupang	0.040	United States	Davita Inc	0.013	United States	Doordash	0.069	United States
Cousins Properties Inc	0.008	United States	Deckers Outdoor Corp	0.040	United States	Doubleverify Holdings	0.012	United States
Crane Company	0.013	United States	Deere & Co	0.241	United States	Dover Corp	0.049	United States
Crane Nxt Co	0.006	United States	Delta Air Lines Inc	0.059	United States	Dow Inc	0.088	United States
Credit Accep Corp Mich	0.008	United States	Dentsply Sirona Inc	0.017	United States	Doximity	0.008	United States
Crocs Inc	0.013	United States	Devon Energy Corp	0.066	United States	Draftkings Inc (a)	0.034	United States
Crowdstrike Holdings	0.124	United States	Dexcom Inc	0.109	United States	Driven Brands Holdings	0.002	United States
Crown Castle Inc	0.113	United States	Diamondback Energy Inc	0.063	United States	Dropbox	0.017	United States
Crown Holdings Inc	0.022	United States	Dicks Sporting Goods Inc	0.020	United States	Dt Midstream	0.012	United States
Csx Corp	0.156	United States	Digital Realty Trust Inc	0.093	United States	Dte Energy Co	0.052	United States
Cubesmart	0.024	United States	Discover Financial Svc	0.064	United States	Duke Energy Corp	0.170	United States
Cullen Frost Bankers	0.015	United States	Dish Network Corp	0.003	United States	Dun And Bradstreet Holdi	0.007	United States
Cummins Inc	0.077	United States	Disney Walt Co	0.376	United States	Dupont De Nemours Inc	0.080	United States
Curtiss Wright Corp	0.019	United States	Docusign	0.027	United States	Dxc Technology Company	0.011	United States

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Dynatrace Inc	0.030	United States	Entegris Inc	0.041	United States	Evergy Inc	0.026	United States
Eagle Materials Inc	0.016	United States	Entergy Corp	0.049	United States	Eversource Energy	0.049	United States
East West Bancorp Inc	0.023	United States	Envista Holdings	0.009	United States	Exact Sciences Corp	0.030	United States
Eastgroup Properties Inc	0.019	United States	Eog Resources Inc	0.162	United States	Exelixis Inc	0.017	United States
Eastman Chemical Co	0.024	United States	Epam Systems Inc	0.038	United States	Exelon Corp	0.081	United States
Eaton Corp Plc	0.218	United States	Epr Properties	0.008	United States	Expedia Group Inc	0.047	United States
Ebay Inc	0.053	United States	Eqt Corporation	0.032	United States	Expeditors Intl Of Wash	0.043	United States
Ecolab Inc	0.112	United States	Equifax Inc	0.069	United States	Extra Space Storage Inc	0.076	United States
Edison International	0.062	United States	Equinix Inc	0.171	United States	Exxon Mobil Corp	0.922	United States
Edwards Lifesciences	0.105	United States	Equitable Holdings Inc	0.026	United States	F5 Inc	0.024	United States
Elanco Animal Health	0.017	United States	Equity Lifestyle Prop	0.029	United States	Factset Research Systems	0.042	United States
Elastic N.v.	0.020	United States	Equity Residential	0.052	United States	Fair Isaac Corp	0.064	United States
Electronic Arts Inc	0.084	United States	Esab Corporation	0.011	United States	Fastenal Co	0.084	United States
Element Solutions Inc.	0.012	United States	Essential Utilities Inc	0.021	United States	Federal Realty Invst	0.019	United States
Elevance Health Inc	0.255	United States	Essex Property Trust Inc	0.036	United States	Fedex Corp	0.134	United States
Emcor Group Inc	0.023	United States	Estee Lauder Companies	0.077	United States	Ferguson Plc	0.090	United States
Emerson Electric Co	0.126	United States	Etsy Inc	0.023	United States	Fidelity Natl Info Svcs	0.081	United States
Encompass Health Corp	0.015	United States	Euronet Worldwide Inc	0.011	United States	Fifth Third Bancorp	0.053	United States
Enovis Corporation	0.007	United States	Evercore Inc	0.014	United States	First American Finl Corp	0.015	United States
Enphase Energy Inc	0.040	United States	Everest Group Ltd	0.034	United States	First Citizens Bancshrs	0.035	United States

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First Hawaiian Inc	0.007	United States	Fox Corporation Class A	0.017	United States	General Mtrs Co	0.112	United States
First Horizon	0.018	United States	Fox Corporation Class B	0.008	United States	Genpact Ltd	0.014	United States
First Industrial Rlty Tr	0.016	United States	Franklin Resources Inc	0.019	United States	Gentex Corp	0.017	United States
First Solar Inc	0.042	United States	Freeport-mcmoran Inc	0.138	United States	Genuine Parts Co	0.044	United States
Firstenergy Corp	0.045	United States	Freshpet Inc	0.009	United States	Gilead Sciences Inc	0.231	United States
Fiserv Inc	0.181	United States	Frontier Communications	0.014	United States	Ginkgo Bioworks Inc (a)	0.006	United States
Five Below	0.027	United States	Fti Consulting Inc	0.015	United States	Gitlab	0.013	United States
Five9 Inc	0.013	United States	Gallagher Arthur J & Co	0.108	United States	Global Payments Inc	0.075	United States
Fleetcor Technologies	0.046	United States	Gamestop Corp	0.011	United States	Globalfoundries	0.011	United States
Floor & Decor Holdings	0.026	United States	Gaming And Leisure Pptys	0.029	United States	Globant Sa	0.022	United States
Flowers Foods Inc	0.010	United States	Gap Inc	0.009	United States	Globe Life Inc	0.024	United States
Flowserve Corp	0.012	United States	Garmin Ltd	0.045	United States	Globus Medical Inc	0.014	United States
Fmc Corp	0.018	United States	Gartner Inc	0.079	United States	Godaddy Inc	0.035	United States
Fnb Corp	0.011	United States	Gates Industrial Corp	0.003	United States	Goldman Sachs Group Inc	0.280	United States
Fnf Group	0.030	United States	Ge Healthcare Technologi	0.069	United States	Graco Inc	0.033	United States
Ford Motor Co	0.109	United States	Gen Digital Inc	0.029	United States	Grainger Ww Inc	0.083	United States
Fortinet Inc	0.088	United States	Generac Holdings Inc	0.018	United States	Grand Canyon Education	0.009	United States
Fortive Corporation	0.059	United States	General Dynamics Corp	0.145	United States	Graphic Packaging Hldg	0.017	United States
Fortrea	0.007	United States	General Electric Co	0.315	United States	Grocery Outlet Holding	0.006	United States
Fortune Brands Innovatio	0.022	United States	General Mills Inc	0.086	United States	Guidewire Software Inc	0.020	United States

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Gxo Logistics	0.016	United States	Hf Sinclair Corporation	0.018	United States	Icu Medical Inc	0.005	United States
Halliburton Co	0.074	United States	Highwoods Properties Inc	0.005	United States	Idacorp Inc	0.011	United States
Hanover Insurance Group	0.010	United States	Hilton Worldwide Holding	0.103	United States	Idex Corp	0.037	United States
Harley Davidson Inc	0.011	United States	Hologic Inc	0.040	United States	Idexx Labs Inc	0.104	United States
Hartford Finl Svcs Grp	0.054	United States	Home Depot Inc	0.789	United States	Illinois Tool Works Inc	0.179	United States
Hasbro Inc	0.015	United States	Honeywell International	0.318	United States	Illumina Inc	0.050	United States
Hashicorp	0.005	United States	Hormel Foods Corp	0.021	United States	Incyte Corp	0.026	United States
Hawaiian Electric Inds	0.004	United States	Host Hotels & Resorts	0.031	United States	Informatica	0.003	United States
Hayward Holdings	0.004	United States	Houlihan Lokey Inc	0.014	United States	Ingersoll-rand Inc	0.071	United States
Hca Healthcare Inc	0.123	United States	Howmet Aerospace Inc	0.047	United States	Ingredion Inc	0.016	United States
Healthcare Realty Trust	0.015	United States	Hp Inc	0.059	United States	Inspire Medical Systems	0.013	United States
Healthpeak Properties	0.025	United States	Hubbell Inc	0.040	United States	Insulet Corp	0.034	United States
Heico Corp Cl A	0.026	United States	Hubspot Inc	0.060	United States	Integra Lifesciences	0.007	United States
Heico Corp Common	0.018	United States	Humana Inc	0.130	United States	Intel Corp	0.483	United States
Henry Jack & Associates	0.027	United States	Huntington Bancshares	0.042	United States	Interactive Brokers Grp	0.020	United States
Hershey Company	0.064	United States	Huntington Ingalls Ind	0.023	United States	Intercontinental Exch	0.166	United States
Hertz Global Holdings	0.003	United States	Huntsman Corp	0.010	United States	International Paper Co	0.028	United States
Hess Corp	0.091	United States	Hyatt Hotels Corp	0.013	United States	Interpublic Group Of Cos	0.029	United States
Hewlett Packard Ent	0.049	United States	Iac Inc	0.009	United States	Intl Business Machines	0.338	United States
Hexcel Corp	0.014	United States	Icon Plc	0.052	United States	Intl Flavors & Fragrance	0.047	United States



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Intuit	0.389	United States	Juniper Networks Inc	0.021	United States	Kyndryl Holdings	0.011	United States
Intuitive Surgical Inc	0.268	United States	Karuna Therapeutics Inc	0.026	United States	L3harris Technologies	0.091	United States
Invesco Ltd	0.015	United States	Kbr Inc	0.017	United States	Laboratory Corp Of Amer	0.044	United States
Invitation Homes Inc	0.047	United States	Kellanova	0.033	United States	Lam Research Corp	0.235	United States
Ionis Pharmaceuticals	0.016	United States	Kemper Corporation	0.007	United States	Lamar Advertising Co	0.021	United States
Ipg Photonics Corp	0.007	United States	Kenvue Inc	0.085	United States	Lamb Weston Holdings	0.036	United States
Iqvia Holdings Inc	0.096	United States	Keurig Dr Pepper Inc	0.072	United States	Landstar Systems Inc	0.016	United States
Iridium Communications	0.011	United States	Keycorp	0.031	United States	Las Vegas Sands Corp	0.041	United States
Iron Mountain Inc	0.046	United States	Keysight Technologies	0.064	United States	Lattice Semiconductor	0.021	United States
Itt Inc	0.022	United States	Kilroy Realty Corp	0.011	United States	Lazard Ltd	0.009	United States
Jabil Inc	0.036	United States	Kimberly Clark Corp	0.093	United States	Lear Corp	0.019	United States
Jacobs Solutions Inc	0.037	United States	Kimco Realty Corp	0.029	United States	Leggett & Platt Inc	0.008	United States
Janus Henderson Group	0.009	United States	Kinder Morgan Inc	0.079	United States	Leidos Holdings Inc	0.034	United States
Jazz Pharmaceuticals Plc	0.017	United States	Kinsale Capital Group	0.017	United States	Lennar Corp CI A	0.083	United States
Jb Hunt Trans Svcs Inc	0.037	United States	Kirby Corp	0.011	United States	Lennar Corp CI B	0.004	United States
Jefferies Financial Grp	0.017	United States	Kkr & Co Inc	0.125	United States	Lennox International Inc	0.033	United States
Johnson & Johnson	0.860	United States	Kla Corporation	0.182	United States	Liberty Broadband CI A	0.003	United States
Johnson Controls Intl	0.089	United States	Knight-swift Transport	0.020	United States	Liberty Broadband CI C	0.021	United States
Jones Lang Lasalle Inc	0.020	United States	Kohls Corp	0.007	United States	Liberty Formula 1 Ser A	0.003	United States
Jpmorgan Chase & Co	1.118	United States	Kroger Co	0.068	United States	Liberty Formula 1 Ser C	0.028	United States

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Liberty Live CI A	0.002	United States	Lyft	0.012	United States	Mastec Inc	0.011	United States
Liberty Live CI C	0.004	United States	Lyondellbasell Inds	0.056	United States	Mastercard Inc	0.806	United States
Liberty Siriusxm Ser A	0.005	United States	M & T Bank Corp	0.052	United States	Match Group Inc	0.023	United States
Liberty Siriusxm Ser C	0.010	United States	Macys Inc	0.012	United States	Mattel Inc	0.015	United States
Lilly Eli & Co	1.123	United States	Madi Sq Gard Sports	0.008	United States	Mccormick & Co Inc	0.039	United States
Lincoln Electric Hldgs	0.028	United States	Manhattan Assocs Inc	0.030	United States	Mcdonalds Corp	0.492	United States
Lincoln National Corp	0.010	United States	Manpowergroup	0.009	United States	Mckesson Corp	0.143	United States
Linde Plc	0.453	United States	Maplebear Inc	0.001	United States	Mdu Resources Group Inc	0.009	United States
Lithia Motors Inc	0.020	United States	Marathon Oil Corp	0.033	United States	Medical Properties Trust	0.007	United States
Littelfuse Inc	0.015	United States	Marathon Petroleum Corp	0.128	United States	Medpace Holdings Inc	0.016	United States
Live Nation Ent Inc	0.033	United States	Maravai Lifesciences Hol	0.002	United States	Medtronic Plc	0.249	United States
Lkq Corp	0.029	United States	Markel Group Inc	0.042	United States	Merck & Co Inc	0.631	United States
Lockheed Martin Corp	0.229	United States	Marketaxess Holdings Inc	0.025	United States	Mercury Systems Inc	0.004	United States
Loews Corp	0.029	United States	Marriott Intl Inc	0.125	United States	Meta Platforms Inc	1.783	United States
Louisiana Pacific Corp	0.010	United States	Marriott Vac World Corp	0.007	United States	Metlife Inc	0.095	United States
Lowes Cos Inc	0.293	United States	Marsh & McLennan Cos	0.214	United States	Mettler Toledo Intl Inc	0.060	United States
Lpl Financial Holdings	0.039	United States	Martin Marietta Mtls	0.070	United States	Mgic Investment Corp	0.012	United States
Lucid Group Inc (a)	0.007	United States	Marvell Technology Group	0.117	United States	Mgm Resorts Intl	0.029	United States
Lululemon Athletica Inc	0.130	United States	Masco Corp	0.034	United States	Microchip Technology	0.110	United States
Lumentum Holdings Inc	0.008	United States	Masimo Corporation	0.012	United States	Micron Technology Inc	0.212	United States

# ESMA Compliance Quarterly Membership Weights

Russell 1000®	Weight(%)	Country	Russell 1000®	Weight(%)	Country	Russell 1000®	Weight(%)	Country
Microsoft Corp	6.374	United States	Msa Safety Inc	0.014	United States	Newmont Corporation	0.109	United States
Mid-amer Apt Cmnty	0.036	United States	Msc Indl Direct Inc	0.011	United States	News Corp Cl A	0.021	United States
Middleby Corp	0.018	United States	Msci Inc	0.099	United States	News Corp Cl B	0.007	United States
Mirati Therapeutics Inc	0.007	United States	Murphy Usa Inc	0.016	United States	Nexstar Media Group Inc	0.012	United States
Mister Car Wash	0.001	United States	Nasdaq Inc	0.045	United States	Nextera Energy Inc	0.280	United States
Mks Instruments Inc	0.016	United States	Natera Inc	0.015	United States	Nike Inc	0.294	United States
Moderna	0.075	United States	National Fuel Gas Co	0.010	United States	Nisource Inc	0.025	United States
Mohawk Industries Inc	0.012	United States	National Storage Affil	0.008	United States	Nnn Reit Inc	0.018	United States
Molina Healthcare Inc	0.047	United States	Ncino	0.005	United States	Nordson Corp	0.034	United States
Moloson Coors Beverage	0.024	United States	Ncr Atleos Corporation	0.004	United States	Nordstrom Inc	0.005	United States
Mondelez International	0.224	United States	Ncr Voyix Corp	0.005	United States	Norfolk Southern Corp	0.122	United States
Mongodb	0.062	United States	Net Lease Office Propert	0.001	United States	Northern Trust Corp	0.039	United States
Monolithic Power Systems	0.066	United States	Netapp Inc	0.042	United States	Northrop Grumman Corp	0.153	United States
Monster Beverage Corp	0.098	United States	Netflix Inc	0.479	United States	Norwegian Cruise Line	0.019	United States
Moodys Corp	0.141	United States	Neurocrine Biosciences	0.029	United States	Nov Inc	0.018	United States
Morgan Stanley	0.255	United States	New Fortress Energy	0.006	United States	Novocure Ltd	0.004	United States
Morningstar Inc	0.017	United States	New York Cmnty Bancorp	0.017	United States	Nrg Energy Inc	0.027	United States
Mosaic Company	0.027	United States	New York Times Co	0.018	United States	Nu Holdings	0.044	United States
Motorola Solutions Inc	0.118	United States	Newell Brands Inc	0.008	United States	Nucor Corp	0.098	United States
Mp Materials Corp (a)	0.005	United States	Newmarket Corporation	0.008	United States	Nutanix Inc	0.026	United States

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Nvent Electric Plc	0.022	United States	Otis Worldwide	0.084	United States	Pentair Plc	0.027	United States
Nvidia Corp	2.680	United States	Ovintiv Inc	0.026	United States	Penumbra Inc	0.021	United States
Nvr Inc	0.047	United States	Owens Corning	0.030	United States	Pepsico Inc	0.533	United States
O Reilly Automotive Inc	0.128	United States	Paccar Inc	0.114	United States	Performance Food Group	0.024	United States
Occidental Pete Corp	0.093	United States	Packaging Corp Of Amer	0.033	United States	Perrigo Co Plc	0.010	United States
Oge Energy Corp	0.016	United States	Palantir Technologies	0.074	United States	Petco Health And Wellnes	0.001	United States
Okta Inc	0.031	United States	Palo Alto Networks Inc	0.202	United States	Pfizer Inc	0.370	United States
Olaplex Holdings	0.001	United States	Paramount Global (a)	0.000	United States	Pg&e Corp	0.084	United States
Old Dominion Freight	0.091	United States	Paramount Global (b)	0.019	United States	Philip Morris Intl	0.332	United States
Old Republic Intl Corp	0.017	United States	Park Hotels & Resorts	0.007	United States	Phillips 66	0.135	United States
Olin Corp	0.015	United States	Parker Hannifin Corp	0.134	United States	Phinia	0.003	United States
Ollies Bargain Outlet	0.011	United States	Paychex Inc	0.087	United States	Pilgrims Pride Corp	0.003	United States
Omega Healthcare Invs	0.017	United States	Paycom Software Inc	0.024	United States	Pinnacle Financial	0.015	United States
Omnicom Group Inc	0.039	United States	Paycor Hcm	0.003	United States	Pinnacle West Capital Co	0.019	United States
On Semiconductor Corp	0.082	United States	Paylocity Hldg Corp	0.016	United States	Pinterest	0.049	United States
Onemain Holdings Inc	0.013	United States	Paypal Holdings Inc	0.154	United States	Pioneer Nat Resources Co	0.119	United States
Oneok Inc	0.093	United States	Pegasystems Inc	0.005	United States	Planet Fitness Inc	0.014	United States
Oracle Corp	0.370	United States	Peloton Interactive	0.005	United States	Playtika Holding	0.000	United States
Organon	0.008	United States	Penn Entertainment Inc	0.009	United States	Plug Power Inc	0.005	United States
Oshkosh Corp	0.016	United States	Penske Automotive Group	0.007	United States	Pnc Financial Svcs Group	0.140	United States

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Russell 1000®	Weight(%)	Country	Russell 1000®	Weight(%)	Country	Russell 1000®	Weight(%)	Country
Polaris Inc	0.012	United States	Pure Storage Inc	0.023	United States	Regions Financial Corp	0.041	United States
Pool Corp	0.034	United States	Pvh Corp	0.017	United States	Reinsurance Grp Of Amer	0.024	United States
Popular Inc	0.013	United States	Qiagen Nv	0.023	United States	Reliance Steel & Alum	0.037	United States
Post Holdings Inc	0.010	United States	Qorvo Inc	0.025	United States	Renaissancere Holdings	0.022	United States
Ppg Industries Inc	0.080	United States	Qualcomm Inc	0.367	United States	Repligen Corp	0.023	United States
Ppl Corp	0.046	United States	Quanta Services Inc	0.071	United States	Republic Services Inc	0.078	United States
Premier Inc	0.006	United States	Quantumscape	0.005	United States	Resmed Inc	0.057	United States
Price T Rowe Group Inc	0.054	United States	Quest Diagnostics Inc	0.035	United States	Revvity Inc	0.031	United States
Primerica Inc	0.017	United States	Quidelortho Corporation	0.009	United States	Rexford Industrial Rlty	0.027	United States
Principal Financial Grp	0.043	United States	R1 Rcm Inc	0.004	United States	Reynolds Consumer Produc	0.003	United States
Procore Technologies	0.013	United States	Ralph Lauren Corp	0.013	United States	Rh	0.010	United States
Procter & Gamble Co	0.786	United States	Range Resources Corp	0.016	United States	Ringcentral Inc	0.007	United States
Progressive Corp	0.212	United States	Raymond James Financial	0.048	United States	Rithm Capital Corp	0.012	United States
Prologis Inc	0.280	United States	Rayonier Inc	0.011	United States	Rivian Automotive	0.035	United States
Prosperity Bancshares	0.013	United States	Rb Global Inc	0.028	United States	Rli Corp	0.012	United States
Prudential Financial Inc	0.086	United States	Rbc Bearings Inc	0.018	United States	Robert Half Inc	0.021	United States
Ptc Inc	0.046	United States	Realty Income Corp	0.095	United States	Robinhood Markets	0.019	United States
Public Storage Inc	0.109	United States	Regal Rexnord Corp	0.022	United States	Roblox	0.048	United States
Public Svc Enterprise	0.069	United States	Regency Centers Corp	0.028	United States	Rocket Companies	0.004	United States
Pultegroup Inc	0.050	United States	Regeneron Pharmaceutical	0.205	United States	Rockwell Automation Inc	0.081	United States

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Russell 1000®	Weight(%)	Country	Russell 1000®	Weight(%)	Country	Russell 1000®	Weight(%)	Country
Roivant Sciences Ltd (a)	0.009	United States	Schwab Charles Corp	0.232	United States	Slm Corp	0.010	United States
Roku Inc	0.026	United States	Science Applications Int	0.015	United States	Smartsheet	0.014	United States
Rollins Inc	0.025	United States	Scotts Miracle-gro Co	0.006	United States	Smith A O Corp	0.023	United States
Roper Technologies Inc	0.131	United States	Seaboard Corp	0.002	United States	Smucker J M Co	0.030	United States
Ross Stores Inc	0.106	United States	Sealed Air Corp	0.012	United States	Snap On Inc	0.034	United States
Royal Caribbean Group	0.069	United States	Sei Investments Co	0.015	United States	Snowflake	0.142	United States
Royal Gold Inc	0.018	United States	Sempra	0.107	United States	Sofi Technologies	0.021	United States
Royalty Pharma	0.024	United States	Sensata Technologies	0.013	United States	Sonoco Products Co	0.012	United States
Rpm International Inc	0.032	United States	Sentinelone	0.015	United States	Sotera Health	0.004	United States
Rtx Corporation	0.276	United States	Service Corp Intl	0.023	United States	Southern Co	0.174	United States
Ryan Specialty Hold (a)	0.009	United States	ServiceNow Inc	0.328	United States	Southern Copper Corp	0.017	United States
Ryder System Inc	0.011	United States	Sherwin Williams Co	0.169	United States	Southwest Airlines Co	0.039	United States
S&p Global Inc	0.322	United States	Shift4 Payments	0.009	United States	Southwestern Energy Co	0.016	United States
Saia Inc	0.026	United States	Shockwave Medical	0.016	United States	Spectrum Brands Holdings	0.006	United States
Salesforce Inc	0.567	United States	Silgan Holdings Inc	0.009	United States	Spirit Aerosystems	0.008	United States
Sarepta Therapeutics Inc	0.020	United States	Simon Property Group Inc	0.105	United States	Spirit Rlty Cap Inc	0.014	United States
Sba Communications Corp	0.062	United States	Sirius Xm Holdings Inc	0.008	United States	Splunk Inc	0.054	United States
Schein Henry Inc	0.022	United States	Siteone Landscape Supply	0.016	United States	Spotify Technology Sa	0.060	United States
Schlumberger Ltd	0.169	United States	Skechers Usa Inc	0.019	United States	Ss&c Technologies Hldgs	0.030	United States
Schneider National Inc	0.003	United States	Skyworks Solutions Inc	0.041	United States	Ssr Mining Adr	0.005	United States

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Russell 1000®	Weight(%)	Country	Russell 1000®	Weight(%)	Country	Russell 1000®	Weight(%)	Country
Stag Indl Inc	0.016	United States	Targa Resources Inc	0.044	United States	The Cigna Group	0.199	United States
Stanley Black & Decker	0.034	United States	Target Corp	0.149	United States	The Howard Hughes Hldg	0.007	United States
Starbucks Corp	0.247	United States	Td Synnex Corp	0.013	United States	The Kraft Heinz Company	0.068	United States
Starwood Ppty Trust Inc	0.014	United States	Technipfmc	0.020	United States	The Trade Desk Inc	0.072	United States
State Street Corp	0.054	United States	Teladoc Health Inc	0.008	United States	The Wendy's Company	0.008	United States
Steel Dynamics Inc	0.042	United States	Teledyne Technologies	0.047	United States	Thermo Fisher Scientific	0.466	United States
Stericycle Inc	0.010	United States	Teleflex Inc	0.027	United States	Thor Industries Inc	0.014	United States
Steris Plc	0.050	United States	Tempur Sealy Intl Inc	0.019	United States	Timken Co	0.011	United States
Stifel Financial Corp	0.016	United States	Tenet Healthcare Corp	0.017	United States	Tjx Companies Inc	0.246	United States
Stryker Corp	0.242	United States	Teradata Corp	0.010	United States	Tko Group Holdings Inc	0.011	United States
Sun Communities Inc	0.037	United States	Teradyne Inc	0.038	United States	Toast	0.015	United States
Sunrun Inc	0.009	United States	Tesla Inc	1.561	United States	Toll Brothers Inc	0.025	United States
Synchrony Financial	0.036	United States	Tetra Tech Inc	0.020	United States	Topbuild Corp	0.027	United States
Synopsys Inc	0.178	United States	Texas Instruments Inc	0.352	United States	Toro Co	0.023	United States
Synovus Financial Corp	0.012	United States	Texas Pacific Land Corp	0.022	United States	Tpg Partners Llc	0.006	United States
Sysco Corp	0.084	United States	Texas Roadhouse Inc	0.019	United States	Tractor Supply Co	0.054	United States
T-mobile Us Inc	0.191	United States	Textron Inc	0.036	United States	Tradeweb Markets	0.024	United States
Take-two Interactive	0.060	United States	Tfs Finl Corp	0.002	United States	Trane Technologies Plc	0.126	United States
Tandem Diabetes Care Inc	0.004	United States	The Azek Company	0.011	United States	Transdigm Group Inc	0.122	United States
Tapestry Inc	0.019	United States	The Chemours Company	0.011	United States	Transunion	0.030	United States

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Russell 1000®	Weight(%)	Country	Russell 1000®	Weight(%)	Country	Russell 1000®	Weight(%)	Country
Travel Plus Leisure Co	0.006	United States	Union Pacific Corp	0.341	United States	Ventas Inc	0.045	United States
Travelers Cos Inc	0.099	United States	United Airlines Holdings	0.031	United States	Veralto Corporation	0.041	United States
Trex Inc	0.020	United States	United Parcel Service	0.259	United States	Verisign Inc	0.042	United States
Trimble Inc	0.030	United States	United Rentals Inc	0.088	United States	Verisk Analytics Inc	0.078	United States
Tripadvisor Inc	0.005	United States	United States Steel Corp	0.025	United States	Verizon Communications	0.361	United States
Truist Financial Corp	0.111	United States	United Therapeutics	0.023	United States	Vertex Pharmaceuticals	0.239	United States
Twilio Inc	0.029	United States	Unitedhealth Group Inc	1.114	United States	Vertiv Holdings Co (a)	0.038	United States
Tyler Technologies Inc	0.040	United States	Unity Software	0.027	United States	Vestis Corporation	0.006	United States
Tyson Foods Inc	0.034	United States	Universal Display Corp	0.020	United States	Viasat Inc	0.007	United States
U Haul Holding Company	0.001	United States	Universal Health Svcs	0.021	United States	Viatis	0.029	United States
U Haul Holding Company	0.016	United States	Unum Group	0.020	United States	Vici Properties Inc	0.075	United States
Uber Technologies	0.276	United States	Us Bancorp	0.154	United States	Victorias Secret & Co	0.005	United States
Ubiquiti Inc	0.001	United States	Us Foods Holding Corp	0.023	United States	Virtu Finl Inc	0.004	United States
Udr Inc	0.029	United States	Uwm Holdings Corp (a)	0.002	United States	Visa Inc	0.946	United States
Ugi Corp	0.012	United States	V F Corp	0.015	United States	Vistra Corp	0.032	United States
Upath	0.022	United States	Vail Resorts Inc	0.018	United States	Vontier	0.012	United States
Ultra Beauty Inc	0.055	United States	Valero Energy Corp	0.100	United States	Vornado Realty Trust	0.011	United States
Ultragenyx Pharma	0.009	United States	Valmont Industries Inc	0.011	United States	Voya Financial Inc	0.016	United States
Under Armour Class A	0.004	United States	Valvoline Inc	0.012	United States	Vulcan Materials Co	0.068	United States
Under Armour Class C	0.004	United States	Veeva Systems Inc	0.063	United States	W P Carey Inc	0.031	United States



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Russell 1000®	Weight(%)	Country	Russell 1000®	Weight(%)	Country	Russell 1000®	Weight(%)	Country
Wabtec Corp	0.051	United States	Weyerhaeuser Co	0.058	United States	Yum! Brands Inc	0.083	United States
Walgreens Boots Alliance	0.043	United States	Whirlpool Corp	0.015	United States	Zebra Technologies Corp	0.032	United States
Walmart Inc	0.512	United States	White Mtns Ins Group Ltd	0.008	United States	Zillow Group Inc Class A	0.007	United States
Warner Bros Dis	0.057	United States	Williams Companies Inc	0.097	United States	Zillow Group Inc Class C	0.020	United States
Waste Mgmt Inc	0.166	United States	Williams Sonoma Inc	0.029	United States	Zimmer Biomet Holdings	0.058	United States
Waters Corp	0.044	United States	Willis Towers Watson Plc	0.057	United States	Zion Bancorporation Na	0.015	United States
Watsco Inc	0.032	United States	Willscot Mobile Mini	0.019	United States	Zoetis Inc	0.208	United States
Wayfair Inc	0.012	United States	Wingstop Inc	0.017	United States	Zoom Video Communication	0.042	United States
Webster Financial Corp	0.020	United States	Wintrust Financial Corp	0.013	United States	Zoominfo Technologies	0.013	United States
Wec Energy Group Inc	0.060	United States	Wk Kellogg Co	0.002	United States	Zscaler	0.045	United States
Wells Fargo & Co	0.411	United States	Wolfspeed Inc	0.012	United States			
Welltower Inc	0.110	United States	Woodward Inc	0.019	United States			
Wesco International Inc	0.018	United States	Workday Inc	0.126	United States			
West Pharmaceutical Svcs	0.059	United States	Wyndham Hotels & Resorts	0.015	United States			
Western Alliance Bancorp	0.016	United States	Wynn Resorts Ltd	0.022	United States			
Western Digital Corp	0.039	United States	Xcel Energy Inc	0.078	United States			
Western Union Co	0.010	United States	Xp	0.019	United States			
Westlake Corporation	0.010	United States	Xpo Inc	0.023	United States			
Westrock Co	0.024	United States	Xylem Inc	0.062	United States			
Wex Inc	0.019	United States	Yeti Holdings	0.010	United States			

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For more information about our indexes, please visit [lseg.com/ftse-russell](https://lseg.com/ftse-russell)

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# ESMA Compliance Quarterly Membership Weights

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