

The below Hypothetical Weights are shown for information purposes only and do not reflect the constituents of the Goldman Sachs ActiveBeta® Paris-Aligned U.S. Large Cap Equity Index. The Hypothetical Weights are a hypothetical indication of what the weightings and constituents of the Goldman Sachs ActiveBeta® Paris-Aligned U.S. Large Cap Equity Index would be after performing steps 1 and 2 of the index construction methodology, as defined in section II.B. of the Goldman Sachs ActiveBeta® Paris-Aligned U.S. Large Cap Equity Index Methodology, if the Goldman Sachs ActiveBeta® Paris-Aligned U.S. Large Cap Equity Index were rebalanced daily using current market data. These hypothetical weights do not reflect the application of the third step of the index construction methodology, which will be completed the Index Administrator, or actual current or future changes to the Goldman Sachs ActiveBeta® Paris-Aligned U.S. Large Cap Equity Index and the constituents at the next actual rebalance (typically quarterly) may differ substantially. Neither Goldman Sachs Asset Management, L.P. ("GSAM") nor any of its affiliates guarantees the quality, accuracy and/or the completeness of this information nor any data included therein or on which this information is based, and neither GSAM nor any of its affiliates shall be liable to any third party for any loss or damage, direct, indirect or consequential, arising from (i) any inaccuracy or incompleteness in, or delays, interruptions, errors or omissions in this information or any data included therein or on which any of this information is based or (ii) any decision made or action taken by any third party in reliance upon this information or any data.

Goldman Sachs ActiveBeta® Paris-Aligned U.S. Large Cap Equity Index Hypothetical Weights for 9/27/2024

Name	Weight
3M COMPANY	0.001180
ABBOTT LABORATORIES	0.003642
ABBVIE INC	0.006644
ACCENTURE PLC-CL A	0.004569
ADOBE INC	0.004423
ADVANCED MICRO DEVICES	0.001427
AFLAC INC	0.002071
AGILENT TECHNOLOGIES INC	0.000375
AIR PRODUCTS & CHEMICALS INC	0.000321
AKAMAI TECHNOLOGIES INC	0.002085
ALEXANDRIA REAL ESTATE EQUITIES	0.000411
ALIGN TECHNOLOGY INC	0.000915
ALLSTATE CORP	0.001979
ALNYLAM PHARMACEUTICALS INC	0.001199
ALPHABET INC C-SHARES	0.017502
ALPHABET INC-CL A	0.019516
AMERICAN ELECTRIC POWER COMPANY	0.001708
AMERICAN EXPRESS CO	0.004095
AMERICAN INTERNATIONAL GROUP INC	0.000902
AMERICAN TOWER CORP	0.001727
AMERICAN WATER WORKS CO INC	0.000479
AMERIPRISE FINL	0.002837
AMETEK INC	0.000797
AMGEN INC	0.001438
AMPHENOL CORP NEW CL A	0.002127
ANALOG DEVICES INC	0.000610
ANSYS INC	0.000448
AON PLC	0.002267
APOLLO GLOBAL MANAGEMENT INC	0.001420
APPLE INC	0.067800
APPLIED MATERIALS INC	0.003311
ARCH CAPITAL GROUP LTD	0.001793
ARCHER-DANIELS-MIDLAND CO	0.003416
ARES MANAGEMENT CORP	0.000225
ARISTA NETWORKS INC	0.000780
ARTHUR J GALLAGHER & CO	0.002026
AT&T	0.007311
ATLISSIAN CORPORATION PLC	0.001814
AUTODESK INC	0.002101
AUTOMATIC DATA PROCESSING	0.002071
AUTOZONE INC	0.002888
AVALONBAY COMMUNITIES INC	0.000868
AVANTOR INC	0.000917
AVERY DENNISON CORP	0.000695
AXON ENTERPRISE INC	0.000383
BALL CORP	0.000224
BANK OF AMERICA CORP	0.005280
BANK OF NEW YORK MELLON CORP	0.004021
BAXTER INTL.	0.000199
BECTON DICKINSON AND CO	0.001145
BERKSHIRE HATHAWAY INC-CL B	0.012467
BEST BUY CO INC	0.001687
BIOGEN INC	0.001925
BLACKROCK INC	0.001586
BLACKSTONE INC	0.001074
BOOKING HOLDINGS INC	0.003571
BOSTON SCIENTIFIC CORP	0.002743
BRISTOL-MYERS SQUIBB CO	0.002802
BROADCOM INC	0.011856
BROADRIDGE FINL SOLUTIONS I COM	0.000715
BROWN & BROWN INC	0.001719
BROWN-FORMAN CORP-CLASS B	0.000256
BUILDERS FIRSTSOURCE INC	0.002707
BUNGE LTD	0.003564
CADENCE DESIGN SYSTEMS INC	0.002037
CAPITAL ONE FINL.	0.004822
CARDINAL HEALTH INC	0.001731
CARLISLE COS INC	0.000632
CARNIVAL CORP	0.002429
CARRIER GLOBAL CORP	0.000200
CATERPILLAR INC	0.002489
CBOE GLOBAL MARKETS INC	0.001749
CBRE GROUP INC	0.000202
CDW CORP/DE	0.000829

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Name	Weight
CELANESE CORP	0.002552
CENCORA INC	0.002475
CENTENE CORP	0.005088
CHARTER COMMUNICATIONS INC	0.001627
CHIPOTLE MEXICAN GRILL INC	0.001385
CHUBB LTD	0.002905
CHURCH & DWIGHT CO INC	0.001378
CINCINNATI FINANCIAL CORP	0.002527
CINTAS CORP	0.003672
CISCO SYSTEMS INC	0.001718
CITIGROUP INC	0.003825
CITIZENS FINANCIAL GROUP INC	0.001169
CLOROX COMPANY	0.002076
CLOUDFLARE INC - CLASS A	0.000511
CME GROUP INC	0.001795
COCA-COLA CO/THE	0.004857
COGNIZANT TECHNOLOGY SOLUTIONS C	0.002291
COINBASE GLOBAL INC -CLASS A	0.000466
COLGATE-PALMOLIVE CO	0.004785
COMCAST CORP-CLASS A	0.005708
CONAGRA BRANDS INC	0.002775
CONSTELLATION BRANDS INC CL A	0.000790
COOPER COMPANIES INC	0.000337
COPART INC	0.000578
CORNING INC	0.000914
CORPAY INC	0.001148
CRH PLC	0.000747
CROWDSTRIKE HOLDINGS INC	0.000771
CROWN CASTLE INC	0.000855
CSX CORP	0.001583
CUMMINS INC	0.000841
CVS HEALTH CORP	0.001043
D R HORTON INC	0.000691
DANAHER CORP	0.001715
DARDEN RESTAURANTS INC	0.000607
DATADOG INC	0.000730
DECKERS OUTDOOR CORP	0.001898
DEERE & CO	0.001378
DELTA AIR LINES	0.001224
DEXCOM INC	0.000200
DIGITAL REALTY TRUST INC	0.000268
DISCOVER FINANCIAL SERVICES	0.002623
DOLLAR GENERAL CORP	0.003894
DOLLAR TREE	0.000958
DOMINOS PIZZA INC	0.002051
DOORDASH INC	0.000272
DOVER CORP	0.000668
DOW INC	0.000672
DUPONT DE NEMOURS INC	0.000226
EBAY INC	0.000689
ECOLAB INC	0.001923
EDISON INTERNATIONAL	0.001282
EDWARDS LIFESCIENCES CORP	0.000817
ELECTRONIC ARTS INC	0.002523
ELEVANCE HEALTH INC	0.002229
ELI LILLY & CO	0.015360
EMCOR GROUP INC	0.001257
EMERSON ELECTRIC CO	0.000400
EPAM SYSTEMS INC	0.001453
EQUIFAX INC	0.000631
EQUINIX INC	0.000385
EQUITY RESIDENTIAL	0.000581
ESSEX PROPERTY TRUST INC	0.000835
ESTEE LAUDER COMPANIES INC	0.001340
EVEREST GROUP LTD	0.003106
EVERGY INC	0.001038
EXPEDIA GROUP INC	0.000752
EXPEDITORS INTL WASH INC	0.001011
EXTRA SPACE STORAGE INC	0.000299
FACTSET RESEARCH SYSTEMS INC	0.000656
FAIR ISAAC CORP	0.003484
FASTENAL CO	0.002496
FEDEX CORP	0.001333
FIDELITY NATIONAL INFORMATION SE	0.001105

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Name	Weight
FIFTH THIRD BANCORP	0.000829
FIRST CITIZENS BANCSHARES INC/NC	0.001183
FISERV INC	0.002481
FORD MOTOR CO	0.004205
FORTINET INC	0.001641
GARMIN LTD	0.001222
GARTNER INC	0.002072
GE HEALTHCARE TECHNOLOGIES INC	0.000199
GEN DIGITAL INC	0.001693
GENERAL ELECTRIC CO	0.002795
GENERAL MILLS INC	0.001692
GENERAL MOTORS CO	0.000335
GENUINE PARTS CO	0.000796
GILEAD SCIENCES INC	0.003093
GLOBAL PAYMENTS INC	0.000259
GODADDY INC	0.002369
GRACO	0.000895
HARTFORD FINANCIAL SERVICES GROU	0.002803
HCA HEALTHCARE INC	0.001969
HERSHEY CO/THE	0.001146
HEWLETT PACKARD ENTERPRISE COMPA	0.005021
HILTON WORLDWIDE HOLDINGS INC	0.001441
HOLOGIC INC	0.000936
HOME DEPOT INC	0.006746
HOST HOTELS & RESORTS INC	0.002636
HOWMET AEROSPACE INC	0.000909
HP INC	0.000478
HUBSPOT INC	0.001827
HUNT J B TRANS SVCS INC	0.000200
HUNTINGTON BANCSHARES INC/OH	0.000550
IDEX CORP	0.000640
IDEXX LABORATORIES INC	0.002167
ILLINOIS TOOL WORKS	0.002076
ILLUMINA INC	0.001134
INGERSOLL-RAND INC	0.000715
INSULET CORP	0.000924
INTEL CORP	0.000869
INTERCONTINENTAL EXCHANGE INC	0.002492
INTERNATIONAL BUSINESS MACHINES	0.005083
INTERNATIONAL PAPER CO	0.000497
INTERPUBLIC GROUP OF COS INC	0.001001
INTL FLAVORS & FRAGRANCES	0.000890
INTUIT COM	0.002245
INTUITIVE SURGICAL INC	0.002067
INVITATION HOMES INC	0.000441
IQVIA HOLDINGS INC	0.001056
IRON MTN INC	0.001423
JABIL INC	0.001957
JACK HENRY & ASSOCIATES INC	0.000785
JM SMUCKER CO/THE	0.000458
JOHNSON & JOHNSON	0.008616
JOHNSON CONTROLS INTERNATIONAL P	0.000388
JPMORGAN CHASE & CO	0.012802
KELLANOVA	0.000973
KENVUE INC	0.000257
KEURIG DR PEPPER INC	0.001492
KEYCORP	0.000200
KEYSIGHT TECHNOLOGIES INC	0.000430
KIMBERLY-CLARK CORP	0.002859
KIMCO REALTY CORP	0.000226
KKR & CO INC	0.001190
KLA CORP	0.001430
KRAFT HEINZ CO/THE	0.000975
LABCORP HOLDINGS INC	0.000624
LAM RESEARCH CORP	0.002196
LENNAR CORP	0.003875
LENNOX INTL	0.001222
LINCOLN ELECTRIC HOLDINGS	0.000958
LINDE PLC	0.003337
LIVE NATION ENTERTAINMENT IN	0.000627
LKQ CORP	0.001786
LOWES COS INC	0.003219
LPL FINANCIAL HOLDINGS INC	0.000885
M & T BANK CORP	0.000494

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Name	Weight
MANHATTAN ASSOCIATES INC	0.002218
MARKEL GROUP INC	0.003102
MARRIOTT INTERNATIONAL -CL A	0.000641
MARSH & MCLENNAN COS	0.003281
MARTIN MARIETTA MATERIALS	0.000340
MASCO CORP	0.001670
MASTERCARD INC-CLASS A	0.008862
MCCORMICK & CO-NON VTG SHRS	0.000348
MCDONALDS CORP	0.002726
MCKESSON CORP	0.002270
MEDTRONIC PLC	0.001703
MERCK & CO. INC.	0.007138
META PLATFORMS INC	0.025291
METLIFE INC	0.001109
METTLER-TOLEDO INTL	0.001834
MICROCHIP TECHNOLOGY INC	0.000854
MICRON TECHNOLOGY INC	0.000256
MICROSOFT CORP	0.066631
MICROSTRATEGY INC-CL A	0.000816
MID-AMERICA APARTMENT COMM	0.000386
MOLINA HEALTHCARE INC	0.000200
MONDELEZ INTERNATIONAL INC	0.001082
MONGODB INC	0.000472
MONOLITHIC POWER SYSTEMS INC	0.000453
MONSTER BEVERAGE CORP	0.001627
MOODYS CORP	0.003864
MORGAN STANLEY	0.002429
MOTOROLA SOLUTIONS INC	0.003227
MSCI INC	0.000255
NASDAQ INC	0.001417
NETAPP INC	0.001474
NETFLIX INC	0.004760
NEXTERA ENERGY INC	0.001846
NIKE INC	0.002174
NORDSON CORP	0.000430
NORFOLK SOUTHERN CORP	0.000299
NORTHERN TRUST CORP	0.004065
NRG ENERGY INC	0.002073
NUCOR CORP	0.004062
NUTANIX INC	0.002363
NVIDIA CORP	0.058845
NVR INC	0.001281
O REILLY AUTOMOTIVE INC	0.003263
OKTA INC	0.001275
OMNICOM GROUP	0.001407
ON SEMICONDUCTOR CORPORATION	0.001357
ORACLE CORP	0.001949
OTIS WORLDWIDE CORP	0.001470
OWENS CORNING INC	0.002877
PACCAR INC	0.000428
PACK.CORP.OF AM.	0.001246
PALANTIR TECHNOLOGIES INC	0.000421
PALO ALTO NETWORKS INC	0.001542
PARKER HANNIFIN CORP	0.000370
PAYCHEX INC	0.001115
PEPSICO INC	0.005368
PFIZER INC	0.001005
PINTEREST INC	0.001915
PNC FINANCIAL SERVICES GROUP	0.001280
POOL CORP	0.000527
PPG INDUSTRIES INC	0.000705
PRINCIPAL FINANCIAL GROUP INC	0.000670
PROCTER & GAMBLE CO	0.007984
PROGRESSIVE CORP	0.003995
PROLOGIS INC	0.000483
PRUDENTIAL FINANCIAL INC	0.002413
PTC INC	0.001208
PUBLIC STORAGE	0.000837
PULTE GROUP INC	0.000561
PURE STORAGE INC - CLASS A	0.001517
QUALCOMM INC	0.005125
QUEST DIAGNOSTICS INC	0.001451
RAYMOND JAMES FINL.	0.001180
REALTY INCOME CORP	0.001574

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REGENERON PHARMACEUTICALS	0.003198
REGIONS FINANCIAL CORP	0.000300
RELIANCE STEEL & ALUMINUM	0.002640
REPUBLIC SERVICES INC	0.002093
RESMED INC	0.000725
REVVITY INC	0.000210
ROBLOX CORP	0.000319
ROPER TECHNOLOGIES INC	0.002123
ROSS STORES	0.001385
ROYAL CARIBBEAN CRUISES LTD	0.000590
RPM INTERNATIONAL INC	0.001365
S&P GLOBAL INC	0.002648
SALESFORCE INC	0.005217
SCHWAB (CHARLES) CORP	0.000439
SEAGATE TECHNOLOGY PLC	0.000598
SERVICENOW INC	0.003367
SHERWIN-WILLIAMS CO	0.002646
SIMON PROPERTY GROUP INC	0.001301
SKYWORKS SOLUTIONS INC	0.002253
SNAP-ON INC	0.001099
SS&C TECHNOLOGIES HOLDINGS INC	0.002086
STANLEY BLACK & DECKER	0.000731
STATE STREET CORP	0.003338
STERIS PLC	0.000608
STRYKER CORP	0.002486
SUN COMMUNITIES INC	0.000814
SYNCHRONY FINANCIAL	0.005196
SYNOPSIS INC	0.001267
SYSCO CORP	0.002483
T ROWE PRICE GROUP INC	0.000442
T-MOBILE US INC	0.003114
TAKE-TWO INTERACTIVE SOFTWARE IN	0.000887
TARGET CORP	0.002158
TELEDYNE TECHNOLOGIES INC	0.000876
TERADYNE INC	0.000652
TEXAS INSTRUMENTS INC	0.001732
THE CIGNA GROUP	0.005656
THERMO FISHER SCIENTIFIC INC	0.004024
TJX COMPANIES INC	0.004544
TRACTOR SUPPLY COMPANY	0.001842
TRADE DESK INC/THE -CLASS A	0.000200
TRANE TECHNOLOGIES PLC	0.001577
TRAVELERS COS INC/THE	0.001865
TRIMBLE INC	0.000400
TRUIST FINANCIAL CORP	0.000948
TYLER TECHNOLOGIES INC	0.000761
TYSON FOODS INC	0.001218
UBER TECHNOLOGIES INC	0.001502
ULTA BEAUTY INC	0.001906
UNION PACIFIC CORP	0.001868
UNITED PARCEL SERVICE-CL B	0.000405
UNITEDHEALTH GROUP INC	0.009563
US BANCORP	0.000403
VENTAS INC	0.001024
VERALTO CORP	0.002045
VERISIGN INC	0.003098
VERISK ANALYTICS INC	0.001105
VERIZON COMMUNICATIONS INC	0.004360
VERTEX PHARMACEUTICALS INC	0.003111
VERTIV HOLDINGS CO	0.000294
VIATRIS INC	0.005958
VICI PROPERTIES INC	0.000629
VISA INC-CLASS A SHARES	0.008797
VULCAN MATERIALS CO	0.000374
WALMART INC	0.008640
WALT DISNEY CO/THE	0.002658
WARNER BROS DISCOVERY INC	0.004934
WASTE MANAGEMENT INC	0.002311
WATERS CORP	0.000474
WATSCO INC	0.000630
WELLS FARGO & CO	0.004946
WELLTOWER INC	0.002059
WESTERN DIGITAL CORP	0.000200
WESTINGHOUSE AIR BRAKE TECHNOLOG	0.001972

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Name	Weight
WEYERHAEUSER CO	0.000383
WILLIAMS-SONOMA INC	0.001789
WILLIS TOWERS WATSON PLC	0.001439
WORKDAY INC	0.001046
WP CAREY & CO LLC	0.000959
WR BERKLEY CORP	0.001467
WW GRAINGER INC	0.003032
XYLEM INC	0.001180
YUM! BRANDS	0.002442
ZEBRA TECHNOLOGIES CORP	0.000200
ZIMMER BIOMET HOLDINGS INC	0.000829
ZOETIS INC	0.001892
ZOOM VIDEO COMMUNICATIONS INC	0.001938

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