

## Asset Management

The below Hypothetical Weights are shown for information purposes only and do not reflect the constituents of the Goldman Sachs ActiveBeta® U.S. Large Cap Equity Index. The Hypothetical Weights are a hypothetical indication of what the weightings and constituents of the Goldman Sachs ActiveBeta® U.S. Large Cap Equity Index would be if the Goldman Sachs ActiveBeta® U.S. Large Cap Equity Index were rebalanced daily using current market data. These hypothetical weights do not reflect actual current or future changes to the Goldman Sachs ActiveBeta® 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® U.S. Large Cap Equity Index Hypothetical Weights for 4/19/2021

Name	Weight
3M COMPANY	0.002592
ABBOTT LABORATORIES	0.003737
ABBVIE INC	0.004751
ABIOMED INC	0.001371
ACCENTURE PLC-CL A	0.006867
ACTIVISION BLIZZARD INC	0.002168
ADOBE INC	0.006828
ADV.AUTO PARTS	0.001539
ADVANCED MICRO DEVICES	0.003450
AES CORP	0.000597
AGILENT TECHNOLOGIES INC	0.001416
AIR PRODUCTS & CHEMICALS INC	0.000825
AKAMAI TECHNOLOGIES INC	0.001082
ALEXANDRIA REAL ESTATE EQUITIES	0.000805
ALEXION PHARMACEUTICALS INC	0.001642
ALIGN TECHNOLOGY INC	0.002093
ALLEGION PLC	0.000714
ALLIANT ENERGY CORP	0.000592
ALLSTATE CORP	0.000861
ALPHABET INC C-SHARES	0.016041
ALPHABET INC-CL A	0.016425
ALTICE USA INC- A	0.000973
ALTRIA GROUP INC	0.001354
AMAZON.COM INC	0.036266
AMEREN CORP	0.000485
AMERICAN ELECTRIC POWER COMPANY	0.000703
AMERICAN EXPRESS CO	0.000563
AMERICAN INTERNATIONAL GROUP INC	0.000200
AMERICAN TOWER CORP	0.000820
AMERICAN WATER WORKS CO INC	0.000618
AMERIPRISE FINL	0.000722
AMERISOURCEBERGEN CORP	0.000399
AMETEK INC	0.001285
AMGEN INC	0.004199
AMPHENOL CORP NEW CL A	0.001147
ANALOG DEVICES INC	0.000775
ANNALY CAPITAL MANAGEMENT INC	0.000796
ANSYS INC	0.000732
ANTHEM INC	0.002941
AON PLC	0.001541
APPLE INC	0.050524
APPLIED MATERIALS INC	0.003953
ARCHER-DANIELS-MIDLAND CO	0.000894
ARISTA NETWORKS INC	0.000737
ARTHUR J GALLAGHER & CO	0.001485
AT&T	0.004411
ATMOS ENERGY CORP	0.000518
AUTODESK INC	0.002852
AUTOMATIC DATA PROCESSING	0.001400
AUTOZONE INC	0.003884
AVALARA INC	0.000568
AVALONBAY COMMUNITIES INC	0.000434
AVANTOR INC	0.000589
AVERY DENNISON CORP	0.000594
BALL CORP	0.000620
BANK OF AMERICA CORP	0.004594
BANK OF NEW YORK MELLON CORP	0.001932
BAXTER INTL.	0.001195
BECTON DICKINSON AND CO	0.000922
BERKSHIRE HATHAWAY INC-CL B	0.006696
BEST BUY CO INC	0.003650
BIO-RAD LABORATORIES INC	0.000939
BIOGEN INC	0.002326
BLACK KNIGHT INC	0.000974
BLACKROCK INC	0.001618
BLACKSTONE GROUP INC/THE	0.000429
BOEING CO/THE	0.000200
BOOKING HOLDINGS INC	0.001611
BOOZ ALLEN HAMILTON HOLDING CORP	0.001104
BOSTON PROPERTIES INC	0.000449
BOSTON SCIENTIFIC CORP	0.000605
BRISTOL-MYERS SQUIBB CO	0.004167
BROADCOM INC	0.004476
BROADRIDGE FINL SOLUTIONS I COM	0.001208



# Goldman Sachs ActiveBeta® U.S. Large Cap Equity Index

Hypothetical Weights Generated for 4/19/2021

14Apr21

## Asset Management

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### Goldman Sachs ActiveBeta® U.S. Large Cap Equity Index Hypothetical Weights for 4/19/2021

Name	Weight
BROWN & BROWN INC	0.000557
BROWN-FORMAN CORP-CLASS B	0.001586
BURLINGTON STORES INC	0.001884
C H ROBINSON WORLDWIDE INC	0.002293
CABLE ONE INC.	0.000723
CADENCE DESIGN SYSTEMS INC	0.003631
CAMPBELL SOUP CO	0.000509
CAPITAL ONE FINL.	0.000787
CARDINAL HEALTH INC	0.000281
CARMAX INC	0.000829
CARRIER GLOBAL CORP	0.001925
CARVANA CO	0.000586
CATALENT INC	0.000855
CATERPILLAR INC	0.002061
CBRE GROUP INC	0.003689
CDW CORP/DE	0.002204
CELANESE CORP	0.000694
CENTENE	0.002269
CENTERPOINT ENERGY INC	0.000244
CERNER CORP	0.001818
CHARLES RIVER LABORATORIES	0.001002
CHARTER COMMUNICATIONS INC	0.002894
CHENIERE ENERGY INC	0.000300
CHEVRON CORP	0.001848
CHIPOTLE MEXICAN GRILL INC	0.000835
CHUBB LTD	0.000583
CHURCH & DWIGHT CO INC	0.001258
CIGNA CORP	0.004078
CINTAS CORP	0.002026
CISCO SYSTEMS INC	0.004890
CITIGROUP INC	0.003225
CITIZENS FINANCIAL GROUP INC	0.001567
CITRIX SYSTEMS INC	0.002348
CLOROX COMPANY	0.002906
CME GROUP INC	0.000650
CMS ENERGY CORP	0.000610
COCA-COLA CO/THE	0.002645
COGNIZANT TECHNOLOGY SOLUTIONS C	0.001761
COLGATE-PALMOLIVE CO	0.002759
COMCAST CORP-CLASS A	0.005439
CONAGRA BRANDS INC	0.001466
CONOCOPHILLIPS	0.000502
CONSOLIDATED EDISON INC	0.000827
CONSTELLATION BRANDS INC CL A	0.000419
COOPER COMPANIES INC	0.000705
COPART INC	0.001216
CORNING INC	0.001047
CORTEVA INC	0.000975
COSTAR GROUP INC	0.000330
COSTCO WHOLESALE CORP	0.004736
CROWDSTRIKE HOLDINGS INC	0.001330
CROWN CASTLE INTERNATIONAL CORP	0.000906
CROWN HOLDINGS INC	0.000218
CSX CORP	0.000693
CUMMINS INC	0.002206
CVS HEALTH CORP	0.004740
D R HORTON INC	0.000797
DANAHER CORP	0.002925
DARDEN RESTAURANTS	0.000473
DATADOG INC	0.000747
DEERE & CO	0.002257
DELL TECHNOLOGIES INC - C	0.001441
DEXCOM INC	0.000821
DIGITAL REALTY TRUST INC	0.001429
DISCOVER FINANCIAL SERVICES	0.000674
DOCUSIGN INC	0.001791
DOLLAR GENERAL CORP	0.002990
DOLLAR TREE	0.001805
DOMINION ENERGY INC	0.000954
DOMINOS PIZZA INC	0.002850
DOVER CORP	0.000795
DOW INC	0.000903
DTE ENERGY CO	0.000621
DUKE ENERGY CORP	0.001245



# Goldman Sachs ActiveBeta® U.S. Large Cap Equity Index

Hypothetical Weights Generated for 4/19/2021

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Asset Management

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Name	Weight
DUKE REALTY CORP	0.000384
DUPONT DE NEMOURS INC	0.001285
EASTMAN CHEMICAL CO	0.000992
EATON CORPORATION PLC	0.001661
EBAY INC	0.002314
ECOLAB INC	0.001049
EDISON INTERNATIONAL	0.000403
EDWARDS LIFESCIENCES CORP	0.002950
ELECTRONIC ARTS INC	0.002146
ELI LILLY & CO	0.003948
EMERSON ELECTRIC CO	0.001678
ENPHASE ENERGY INC	0.001132
ENTERGY CORP	0.000345
EOG RESOURCES INC	0.001802
EPAM SYSTEMS INC	0.001016
EQUIFAX INC	0.000691
EQUINIX INC	0.000781
EQUITY LIFESTYLE PROPERTIES	0.000325
EQUITY RESIDENTIAL	0.000328
ESSENTIAL UTILITIES INC	0.000352
ESSEX PROPERTY TRUST INC	0.000207
ESTEE LAUDER COMPANIES INC	0.004820
ETSY INC	0.002109
EVERGY INC	0.000572
EVERSOURCE ENERGY	0.000725
EXELON CORP	0.001226
EXPEDIA GROUP INC	0.000519
EXPEDITORS INTL WASH INC	0.001286
EXTRA SPACE STORAGE INC	0.000734
EXXON MOBIL CORP	0.001982
FACEBOOK INC	0.018999
FACTSET RESEARCH SYSTEMS INC	0.001423
FAIR ISAAC CORP	0.001232
FASTENAL CO	0.003078
FEDEX CORP	0.002345
FIDELITY NATIONAL FINANCIAL INC	0.000303
FIDELITY NATIONAL INFORMATION SE	0.002370
FIFTH THIRD BANCORP	0.001284
FIRST REPUBLIC BANK	0.000587
FIRSTENERGY	0.000246
FISERV INC	0.001820
FLEETCOR TECHNOLOGIES INC	0.000721
FMC CORP	0.000212
FORD MOTOR CO	0.005245
FORTINET INC	0.002017
FORTIVE CORP	0.000916
FORTUNE BRANDS HOME & SECURITY I	0.000660
FREEPORT-MCMORAN INC	0.001285
GARMIN LTD	0.001115
GARTNER INC	0.001160
GENERAC HOLDINGS INC	0.001193
GENERAL DYNAMICS	0.000728
GENERAL ELECTRIC CO	0.001813
GENERAL MILLS INC	0.001004
GENERAL MOTORS CO	0.001284
GENUINE PARTS CO	0.001876
GILEAD SCIENCES INC	0.002378
GLOBAL PAYMENTS INC	0.001428
GODADDY INC	0.000374
HARTFORD FINANCIAL SERVICES GROU	0.001112
HCA HEALTHCARE INC	0.000274
HENRY SCHEIN INC	0.001117
HERSHEY CO/THE	0.002310
HILTON WORLDWIDE HOLDINGS INC	0.000546
HOLOGIC INC	0.001223
HOME DEPOT INC	0.010432
HONEYWELL INTERNATIONAL INC	0.002267
HORIZON THERAPEUTICS PLC	0.000945
HORMEL FOODS CORP	0.000659
HP INC	0.002075
HUBSPOT INC	0.001193
HUMANA INC	0.001785
HUNT J B TRANS SVCS INC	0.001212
IAC INTERACTIVECORP	0.000895

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Name	Weight
IDEX CORP	0.000823
IDEX LABORATORIES INC	0.004707
IHS MARKIT LTD	0.000644
ILLINOIS TOOL WORKS	0.002206
ILLUMINA INC	0.001235
INCYTE CORP	0.001355
INGERSOLL-RAND INC	0.000200
INSULET CORP	0.000819
INTEL CORP	0.008356
INTERCONTINENTAL EXCHANGE INC	0.001113
INTERNATIONAL BUSINESS MACHINES	0.003368
INTERNATIONAL PAPER CO	0.001479
INTL FLAVORS & FRAGRANCES	0.000249
INTUIT COM	0.003744
INTUITIVE SURGICAL INC	0.001334
INVITATION HOMES INC	0.000306
IQVIA HOLDINGS INC	0.001114
JACK HENRY & ASSOCIATES INC	0.000983
JACOBS ENGINEERING GROUP INC	0.001893
JM SMUCKER CO/THE	0.001802
JOHNSON & JOHNSON	0.010615
JOHNSON CONTROLS INTERNATIONAL P	0.001516
JPMORGAN CHASE & CO	0.008453
KANSAS CITY SOUTHERN	0.000855
KELLOGG CO	0.000663
KEURIG DR PEPPER INC	0.000956
KEYCORP	0.000529
KEYSIGHT TECHNOLOGIES INC	0.001106
KIMBERLY-CLARK CORP	0.002016
KINDER MORGAN INC	0.000208
KKR & CO INC	0.000961
KLA CORP	0.001479
KRAFT HEINZ CO/THE	0.003186
KROGER CO	0.004609
L3HARRIS TECHNOLOGIES INC	0.000848
LABORATORY CRP OF AMER HLDGS	0.001157
LAM RESEARCH CORP	0.003647
LEIDOS HOLDINGS INC	0.003099
LENNAR CORP	0.004422
LIBERTY BROADBAND C	0.001178
LOCKHEED MARTIN CORP	0.001651
LOWES COS INC	0.005921
LUMEN TECHNOLOGIES INC	0.002156
LYONDELLBASELL INDU-CL A	0.000684
MARATHON PETROLEUM CORP	0.000309
MARKEL CORP	0.000224
MARKETAXESS HOLDINGS INC	0.001081
MARSH & MCLENNAN COS	0.001878
MARTIN MARIETTA MATERIALS	0.000299
MARVELL TECHNOLOGY GROUP LTD	0.000908
MASCO CORP	0.001272
MASIMO CORPORATION	0.001501
MASTERCARD INC-CLASS A	0.006790
MATCH GROUP INC	0.002371
MAXIM INTEGRATED PRODUCTS	0.001348
MCCORMICK & CO-NON VTG SHRS	0.000993
MCDONALDS CORP	0.001884
MCKESSON CORP	0.000619
MEDTRONIC PLC	0.001331
MERCK & CO. INC.	0.004182
METLIFE INC	0.001895
METTLER-TOLEDO INTL	0.003710
MICROCHIP TECHNOLOGY INC	0.001127
MICRON TECHNOLOGY INC	0.002318
MICROSOFT CORP	0.048099
MID-AMERICA APARTMENT COMM	0.000983
MODERNA INC	0.001638
MOLINA HEALTHCARE INC	0.000555
MONDELEZ INTERNATIONAL INC	0.001324
MONGODB INC	0.000762
MONOLITHIC POWER SYSTEMS INC	0.000595
MONSTER BEVERAGE CORP	0.001996
MOODYS CORP	0.003376
MORGAN STANLEY	0.003064

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Name	Weight
MOTOROLA SOLUTIONS INC	0.001622
MSCI INC	0.000432
NASDAQ INC	0.000855
NETAPP INC	0.001285
NETFLIX INC	0.003643
NEWMONT CORP ORD	0.000398
NEXTERA ENERGY INC	0.002143
NIKE INC	0.005961
NISOURCE INC	0.000401
NORDSON CORP	0.000313
NORFOLK SOUTHERN CORP	0.001265
NORTHERN TRUST CORP	0.000291
NORTHROP GRUMMAN CORP	0.001642
NORTONLIFELOCK INC	0.001441
NUCOR CORP	0.001152
NVIDIA CORP	0.008310
NVR INC	0.000574
O REILLY AUTOMOTIVE INC	0.003260
OKTA INC	0.000609
OLD DOMINION FREIGHT LINE INC	0.001099
OMNICOM GROUP	0.002889
ONEOK INC	0.000200
ORACLE CORP	0.004968
OTIS WORLDWIDE CORP	0.000485
PACCAR INC	0.000527
PACK.CORP.OF AM.	0.000328
PALO ALTO NETWORKS INC	0.001371
PARKER HANNIFIN CORP	0.001669
PAYCHEX INC	0.001122
PAYCOM SOFTWARE INC	0.000254
PAYPAL HOLDINGS INC.	0.005178
PELOTON INTERACTIVE INC	0.001134
PEPSICO INC	0.004836
PERKINELMER INC	0.001134
PFIZER INC	0.004464
PHILIP MORRIS INTERNATIONAL	0.003263
PINNACLE WEST CAPITAL CORP	0.000415
PINTEREST INC	0.001865
PIONEER NATURAL RESOURCES CO	0.000390
PNC FINANCIAL SERVICES GROUP	0.000596
POOL CORP	0.002250
PPG INDUSTRIES INC	0.000747
PPL CORP	0.000418
PRINCIPAL FINANCIAL GROUP INC	0.000681
PROCTER & GAMBLE CO	0.006550
PROGRESSIVE CORP	0.001808
PROLOGIS INC	0.001241
PUBLIC STORAGE	0.000902
PUBLIC SVC ENTERPRISE	0.000939
PULTE GROUP INC	0.002560
QIAGEN NV	0.001381
QORVO INC	0.002171
QUALCOMM INC	0.003148
QUEST DIAGNOSTICS INC	0.000709
RAYMOND JAMES FINL.	0.000746
RAYTHEON TECHNOLOGIES CORP	0.000875
REGENERON PHARMACEUTICALS	0.001165
REGIONS FINANCIAL CORP	0.000300
REPUBLIC SERVICES INC	0.001308
RESMED INC	0.001867
RINGCENTRAL INC	0.001952
ROCKWELL AUTOMATION INC	0.001561
ROKU INC	0.002586
ROPER TECHNOLOGIES INC	0.000899
ROSS STORES	0.000865
RPM INTERNATIONAL INC	0.000563
S&P GLOBAL INC	0.002938
SALESFORCE.COM INC	0.004140
SBA COMMUNICATIONS CORP-CL A	0.000592
SCHLUMBERGER LTD	0.000293
SCHWAB (CHARLES) CORP	0.001053
SEAGATE TECHNOLOGY PLC	0.001611
SEAGEN INC	0.001375
SEMPRA ENERGY	0.000676

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Name	Weight
SERVICENOW INC	0.003546
SHERWIN-WILLIAMS CO	0.001986
SIMON PROPERTY GROUP INC	0.000199
SKYWORKS SOLUTIONS INC	0.002440
SLACK TECHNOLOGIES INC	0.000342
SNAP INC	0.001306
SOUTHERN COMPANY THE	0.000723
SOUTHWEST AIRLINES CO	0.000300
SPLUNK INC	0.000607
SQUARE INC - A	0.001862
SS&C TECHNOLOGIES HOLDINGS INC	0.002011
STANLEY BLACK & DECKER	0.000630
STARBUCKS CORP	0.001286
STATE STREET CORP	0.001027
STERIS PLC	0.000783
STRYKER CORP	0.001542
SUN COMMUNITIES INC	0.001315
SVB FINANCIAL GROUP	0.001054
SYNCHRONY FINANCIAL	0.002113
SYNOPSIS INC	0.003116
SYSCO CORP	0.001789
T ROWE PRICE GROUP INC	0.002204
T-MOBILE US INC	0.001312
TAKE-TWO INTERACTIVE SOFTWARE IN	0.001242
TARGET CORP	0.006871
TE CONNECTIVITY LTD	0.001137
TELEDYNE TECHNOLOGIES INC	0.000905
TELEFLEX INC	0.000320
TERADYNE INC	0.001683
TESLA INC	0.008194
TEXAS INSTRUMENTS INC	0.005464
THERMO FISHER SCIENTIFIC INC	0.005028
TJX COMPANIES INC	0.002258
TRACTOR SUPPLY COMPANY	0.002537
TRADE DESK INC/THE -CLASS A	0.000902
TRANE TECHNOLOGIES PLC	0.001789
TRANSUNION	0.000209
TRAVELERS COS INC/THE	0.000450
TRIMBLE INC	0.000652
TRUIST FINANCIAL CORP	0.000200
TWILIO INC	0.001167
TWITTER INC	0.001186
TYLER TECHNOLOGIES INC	0.001074
TYSON FOODS INC	0.003094
UBER TECHNOLOGIES INC	0.000422
ULTA SALON COSMETICS & FRAGRANCE	0.001906
UNION PACIFIC CORP	0.001673
UNITED PARCEL SERVICE-CL B	0.002351
UNITED RENTALS INC	0.003483
UNITEDHEALTH GROUP INC	0.008002
US BANCORP	0.000639
VALERO ENERGY	0.001067
VARIAN MEDICAL SYSTEMS INC	0.000930
VEEVA SYSTEMS INC	0.001435
VENTAS INC	0.000719
VERISIGN INC	0.002042
VERISK ANALYTICS INC	0.000830
VERIZON COMMUNICATIONS INC	0.004330
VERTEX PHARMACEUTICALS INC	0.001946
VF CORP	0.001385
VIACOMCBS INC	0.004032
VIATRIS INC	0.003347
VICI PROPERTIES INC	0.000612
VISA INC-CLASS A SHARES	0.006768
VISTRA CORP	0.004807
VMWARE INC-CLASS A	0.000911
WALGREENS BOOTS ALLIANCE INC	0.004199
WALMART INC	0.007903
WALT DISNEY CO/THE	0.004852
WASTE MANAGEMENT INC	0.001202
WATERS CORP	0.001559
WAYFAIR INC	0.002312
WEC ENERGY GROUP INC	0.000749
WELLS FARGO & CO	0.000392



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14Apr21

## Asset Management

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### Goldman Sachs ActiveBeta® U.S. Large Cap Equity Index Hypothetical Weights for 4/19/2021

Name	Weight
WEST PHARMACEUTICAL SERVICES INC	0.001359
WESTERN DIGITAL	0.000200
WESTINGHOUSE AIR BRAKE TECHNOLOG	0.001539
WESTROCK COMPANY	0.002386
WEYERHAEUSER CO	0.000200
WHIRLPOOL CORP	0.001218
WILLIS TOWERS WATSON PLC	0.000698
WORKDAY INC	0.000857
WR BERKLEY CORP	0.000350
WW GRAINGER INC	0.002668
XCEL ENERGY INC	0.001029
XILINX INC	0.000869
XYLEM INC	0.000721
YUM! BRANDS	0.002499
ZEBRA TECHNOLOGIES CORP	0.000965
ZENDESK INC	0.000463
ZILLOW GROUP INC - C CLASS	0.001181
ZIMMER BIOMET HOLDINGS INC	0.000417
ZOETIS INC	0.002541
ZOOM VIDEO COMMUNICATIONS INC	0.001935
ZSCALER INC	0.001029

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