

GS Momentum Builder® Multi-Asset 5S ER Index

PERFORMANCE FIGURES

GSMBMA5S Index	105.62
1 Day	0.26%
MTD ¹	0.01%
1 Year	0.46%
2 Years	-0.29%
2 Years p.a. ²	-0.15%

¹ Values based on the last index publication day of its preceding month

² Annualized rate with yearly compounding

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
2025	1.32%	-0.14%	0.34%	-0.95%	0.01%								0.57%
2024	-0.17%	0.99%	1.35%	-2.02%	1.04%	0.06%	1.08%	-0.15%	1.15%	-0.92%	0.38%	-1.99%	0.73%
2023	1.77%	-1.98%	1.17%	0.32%	-1.55%	0.65%	0.94%	-1.42%	-1.96%	-0.77%	1.57%	1.14%	-0.22%
2022	-2.82%	0.59%	0.72%	-1.99%	-0.37%	-2.38%	1.09%	-1.77%	-2.95%	0.30%	1.72%	-0.94%	-8.59%
2021	-0.37%	0.15%	0.14%	0.84%	0.89%	0.66%	0.56%	0.59%	-2.81%	2.09%	-1.09%	1.46%	3.07%
2020	-0.22%	-2.04%	-2.00%	0.14%	0.63%	0.28%	1.88%	-0.43%	-0.90%	-0.97%	2.76%	1.78%	0.79%
2019	1.61%	-0.54%	1.87%	0.15%	-0.18%	2.62%	0.42%	3.69%	-1.19%	0.53%	-0.47%	1.29%	10.11%
2018	2.79%	-3.15%	-0.59%	-0.59%	0.18%	0.47%	-0.01%	0.56%	-0.60%	-4.56%	0.40%	-1.53%	-6.62%
2017	0.35%	0.73%	0.36%	0.80%	1.08%	0.34%	1.67%	0.71%	-0.61%	0.90%	0.93%	1.28%	8.86%
2016					-0.79% ³	3.63%	1.59%	-0.98%	-0.66%	-1.49%	-0.28%	0.23%	1.16%

³ Index launch date was May 16, 2016

PERFORMANCE OF COMPONENTS AND ATTRIBUTION

Composition	Name	Close Price	Performance (Daily)	Performance (MTD) ⁴	Performance Attribution (Daily) ⁵
Cash Equivalent	Money Market	133.95	0.04%	0.06%	0.02%
EEM UP Equity	ISHARES MSCI EMERGING MARKETS ETF	45.34	0.76%	3.61%	0.00%
EFA UP Equity	ISHARES MSCI EAFE ETF	86.25	0.17%	1.77%	0.00%
EWJ UP Equity	ISHARES MSCI JAPAN ETF	72.39	0.70%	1.34%	0.00%
GLD UP Equity	SPDR GOLD SHARES	306.88	2.99%	1.02%	0.58%
HYG UP Equity	ISHARES IBOX HIGH YIELD COR	78.51	-0.04%	-0.11%	0.00%
IBB UP Equity	ISHARES NASDAQ BIOTECHNOLOGY	125.86	-0.58%	-0.57%	0.00%
IEF UP Equity	ISHARES 7-10 YEAR TREASURY	94.53	-0.18%	-1.60%	-0.02%
IYR UP Equity	ISHARES US REAL ESTATE ETF	94.86	-0.11%	1.25%	0.00%
LQD UP Equity	ISHARES IBOX INVESTMENT GRA	106.76	-0.14%	-1.13%	0.00%
PFF UP Equity	ISHARES US PREFERRED STOCK E	30.01	-0.43%	-0.56%	0.00%
SPY UP Equity	SPDR S&P 500 ETF	563.51	-0.57%	1.62%	0.00%
TIP UP Equity	ISHARES TIPS BOND ETF	108.93	-0.10%	-1.44%	-0.01%
TLT UP Equity	ISHARES 20+ YEAR TREASURY BO	87.24	-0.56%	-2.49%	-0.01%
XOP UP Equity	SPDR S&P OIL & GAS EXP & PR	112.96	-1.73%	2.03%	0.00%

⁴ Performance (MTD) = Price (last close) / Price (last day of previous month) - 1. The calculation of Performance (MTD) reflects only the performance of the components and does not take into account their weights within the index and does not reflect any reduction equivalent to that in the GSMBMA5S Index (sum of the return on the notional interest rate plus 0.65% per annum (accruing daily)).

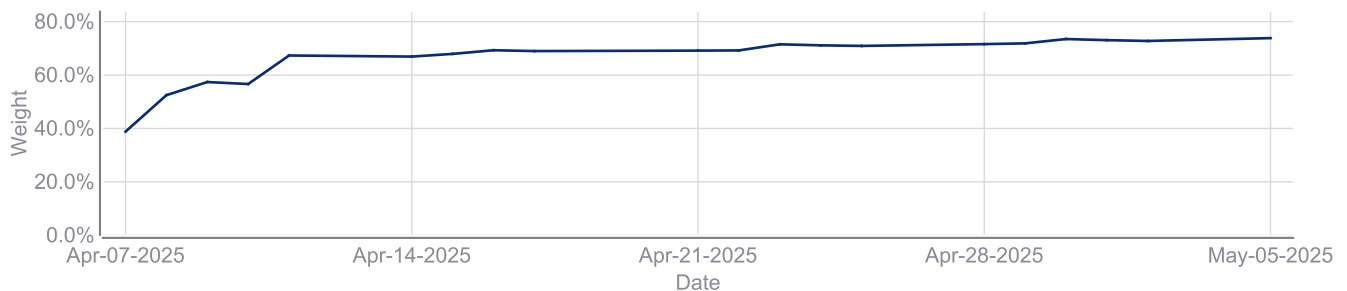
⁵ The daily performance attribution shown above does not take into account any index Deleverage Position (Money Market Position) resulting from the volatility control feature.

INDEX REPORTING

GS Momentum Builder® Multi-Asset 5S ER Index

As of May-05-2025

ROLLING 30D MONEY MARKET WEIGHT (Post-Volatility Control)⁶



⁶ The chart above displays the percentage of exposure of the Money Market Position, which is included in the cash equivalent asset class. This exposure includes any allocation to the Deleverage Position (Money Market Position) resulting from the volatility control feature.

COMPOSITION WEIGHTINGS

Base Index Composition⁷

	SPY	EWJ	EFA	IEF	TLT	LQD	HYG	EEM	IBB	IYR	PFF	XOP	GLD	TIP	Cash Equivalent
05-May-2025	-	0.5%	2.2%	13.2%	1.6%	0.6%	7.2%	0.0%	-	0.9%	-	0.1%	19.3%	8.5%	45.7%
02-May-2025	-	0.5%	2.4%	12.9%	1.8%	0.6%	7.6%	0.0%	-	1.2%	-	0.3%	19.4%	8.4%	45.0%
01-May-2025	-	0.5%	2.6%	12.6%	1.9%	0.6%	7.9%	0.0%	-	1.5%	-	0.4%	19.5%	8.2%	44.4%
30-Apr-2025	-	0.4%	2.8%	12.3%	1.9%	0.5%	8.2%	0.0%	-	1.7%	-	0.5%	19.6%	8.1%	43.9%
29-Apr-2025	-	0.3%	3.3%	12.1%	1.9%	0.4%	8.2%	0.0%	-	2.0%	-	0.6%	19.6%	7.9%	43.4%
28-Apr-2025	-	0.3%	3.9%	11.9%	2.0%	0.4%	8.3%	0.0%	-	2.2%	-	0.7%	19.7%	7.7%	42.9%
25-Apr-2025	-	0.3%	4.1%	11.7%	2.0%	0.4%	8.4%	0.3%	-	2.4%	-	0.7%	19.8%	7.5%	42.3%
24-Apr-2025	-	0.3%	4.4%	11.5%	2.2%	0.4%	8.5%	0.5%	-	2.6%	-	0.8%	19.9%	7.2%	41.6%
23-Apr-2025	-	0.3%	4.6%	11.3%	2.3%	0.4%	8.6%	0.8%	-	2.8%	-	0.9%	19.9%	7.0%	41.0%
22-Apr-2025	-	0.3%	5.0%	11.1%	2.4%	0.4%	8.7%	1.1%	-	3.0%	-	0.9%	20.0%	6.7%	40.3%
21-Apr-2025	-	0.3%	5.3%	10.6%	2.4%	0.4%	8.9%	1.4%	-	3.3%	-	0.9%	20.0%	6.6%	39.9%
17-Apr-2025	-	0.3%	5.6%	10.2%	2.5%	0.4%	9.0%	1.7%	-	3.4%	-	0.9%	20.0%	6.5%	39.3%
16-Apr-2025	-	0.3%	5.9%	9.9%	2.7%	0.4%	9.2%	2.0%	-	3.7%	-	0.9%	20.0%	6.2%	38.7%
15-Apr-2025	-	0.3%	6.2%	9.6%	2.7%	0.4%	9.4%	2.3%	-	4.0%	-	0.9%	20.0%	5.9%	38.3%
14-Apr-2025	-	0.3%	6.5%	9.1%	2.7%	0.4%	9.6%	2.5%	-	4.2%	-	0.9%	20.0%	5.8%	37.9%
11-Apr-2025	-	0.3%	6.8%	9.1%	2.7%	0.4%	9.5%	2.8%	-	4.4%	-	0.9%	20.0%	5.6%	37.5%
10-Apr-2025	0.1%	0.3%	7.2%	8.2%	2.6%	0.4%	9.9%	2.9%	-	4.6%	-	0.9%	20.0%	5.2%	37.5%
09-Apr-2025	0.3%	0.3%	7.6%	7.3%	2.5%	0.4%	10.3%	3.1%	-	4.9%	-	0.9%	20.0%	4.9%	37.4%
08-Apr-2025	0.7%	0.3%	7.9%	6.4%	2.1%	0.0%	10.9%	3.2%	-	5.1%	-	0.9%	20.0%	4.5%	38.0%
07-Apr-2025	1.0%	0.3%	7.9%	5.5%	1.8%	-	11.2%	3.2%	-	5.2%	-	0.9%	20.0%	4.2%	38.8%

Index Composition

Cash Equivalent ⁸	Base Index ⁹	Cumulative Cash Position ¹⁰
51.8%	48.2%	73.8%
50.5%	49.5%	72.8%
51.6%	48.4%	73.1%
52.7%	47.3%	73.5%
50.3%	49.7%	71.9%
50.3%	49.7%	71.6%
49.6%	50.4%	70.9%
50.5%	49.5%	71.1%
51.7%	48.3%	71.5%
48.4%	51.6%	69.2%
48.7%	51.3%	69.1%
48.9%	51.1%	69.0%
49.9%	50.1%	69.3%
48.0%	52.0%	67.9%
46.7%	53.3%	66.9%
47.7%	52.3%	67.3%
30.7%	69.3%	56.6%
31.9%	68.1%	57.4%
23.3%	76.7%	52.5%
0.0%	100.0%	38.8%

The above rebalancing may continue subsequent to the date of this document. Rebalancing may affect the performance of the index.

⁷ The table above sets forth the daily allocation on each index business day between each underlying asset, including a cash equivalent through the Money Market Position within the index prior to the application of the volatility control feature.

⁸ The column labeled "Cash Equivalent" represents the percentage of index exposure to the Deleverage Position (Money Market Position) resulting from the volatility control feature only.

⁹ The column labeled "Base Index" represents the percentage of index exposure to the base index after taking into account the Deleverage Position (Money Market Position) resulting from the volatility control feature. "Base Index" includes a cash equivalent through the Money Market Position within the base index prior to the application of the volatility control feature.

¹⁰ The "Cumulative Cash Position" represents the aggregate of the Money Market Position resulting from the base index position and the additional Money Market Position resulting from the volatility control feature.

INDEX REPORTING

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As of May-05-2025

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Different strategies with a different set of underlying assets may significantly outperform the selected strategy. For parts of the back-testing period, the underlying assets showed in this presentation have had strong performances. Back-tested and past performance figures are not a reliable indicator or guarantee of future results.

The strategy is not actively managed. For further information and disclosure about the strategy, including in particular relevant risk factors, please refer to the related transaction documentation.

The index was launched on May 16, 2016. Hypothetical performance from August 28, 2008 to May 15, 2016 is based on the historical levels of the underlying assets using the same methodology that is used to calculate the index.

Hypothetical performance prior to the launch of the index on May 16, 2016 refers to simulated performance data created by applying the index's calculation methodology and strategy to historical levels of the underlying assets that comprise the index. Such simulated performance data has been produced by the retroactive application of a back-tested methodology, and may reflect a bias towards strategies that have performed well in the past. No future performance of the index can be predicted based on the simulated performance or the historical returns described herein.

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