

## Morgan Stanley Investment Funds

## Global Asset Backed Securities Fund

(Distributing Share Class)

## Investment Objective

To provide an attractive rate of total return.

## Investment Approach

Seeks to provide an attractive rate of total return, measured in U.S. dollars, through investment primarily in fixed income securities that are mortgage-backed securities, commercial mortgage-backed securities, collateralized mortgage obligations and covered bonds that are covered by mortgages (mortgage backed securities).

## Investment Team

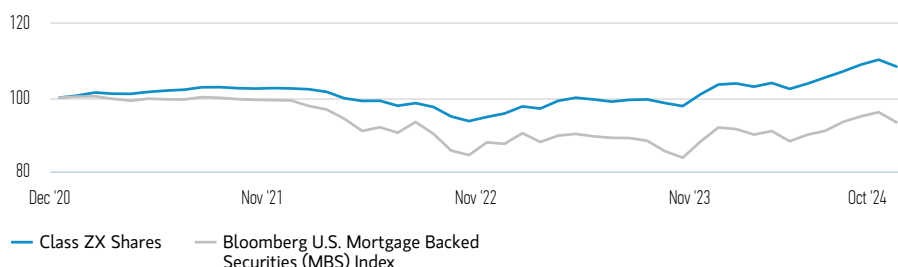
	JOINED FIRM	YEARS OF INDUSTRY EXPERIENCE
Gregory A. Finck, Co-head of Mortgage and Securitized	2014	32
Matthew T. Buckley, Executive Director	2005	26

Team members may be subject to change at any time without notice.

## Class ZX Shares (% net of fees) vs. Index in USD

Performance of 100 USD Invested Since Inception (Cash Value)

Past performance is not a reliable indicator of future results.



## Investment Performance (% net of fees) in USD

	Cumulative (%)				Annualised (% p.a.)			
	1 M	3 M	YTD	1 YR	3 YR	5 YR	10 YR	INCEPTION
Class ZX Shares	-1.68	1.23	4.70	10.94	1.90	--	--	2.09
Bloomberg U.S. Mortgage Backed Securities (MBS) Index	-2.83	-0.09	1.54	11.44	-2.08	--	--	-1.75

## Calendar Year Returns (%)

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Class ZX Shares	8.17	-6.61	1.93	--	--	--	--	--	--	--
Bloomberg U.S. Mortgage Backed Securities (MBS) Index	5.05	-11.81	-1.04	--	--	--	--	--	--	--

All performance data is calculated NAV to NAV, net of fees, and does not take account of commissions and costs incurred on the issue and redemption of units. The sources for all performance and Index data is Morgan Stanley Investment Management.

The value of the investments and the income from them can go down as well as up and an investor may not get back the amount invested.

## MORTGAGE &amp; SECURITIZED TEAM

Share Class	CLASS ZX
Currency	U.S. dollars
ISIN	LU0858068405
Bloomberg	MSGMSZX LX
Inception date	03 December 2020
Net asset value	\$ 23.95

## Fund Facts

Launch date	03 December 2012
Base currency	U.S. dollars
Index	Bloomberg U.S. Mortgage Backed Securities (MBS) Index
Total net assets	\$ 2.8 billion
Structure	Luxembourg SICAV
SFDR Classification†	Article 8

## Charges (%)

	CLASS ZX
Max Entry Charge	1.00
Ongoing Charges	0.61
Management Fee	0.50

Entry Charge is a maximum possible figure. In some cases you might pay less, you can find this out from your financial adviser. Ongoing Charges reflect the payments and expenses incurred during the fund's operation and are deducted from the assets of the fund over the period. It includes fees paid for investment management (Management Fee), trustee/custodian, and administration charges. For more information please see the Charges and Expenses section of the prospectus.

## Subscriptions (USD)

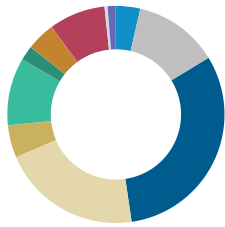
	CLASS ZX
Minimum initial investment	0
Minimum subsequent investment	0

## Statistics (3 Year Annualised)

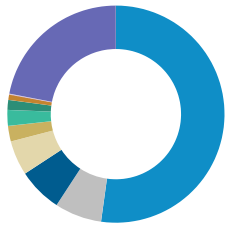
	CLASS ZX	INDEX
Excess Return (%)	3.98	--
Alpha (%)	1.08	--
Beta	0.51	1.00
Information ratio	0.86	--
R squared	0.83	1.00
Sharpe ratio	-0.40	-0.69
Tracking error (%)	4.64	--
Volatility (Standard deviation) (%)	4.74	8.54

## Characteristics

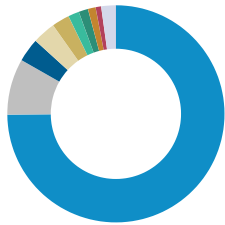
	FUND	INDEX
Duration (years)	4.38	5.69
Average quality	A+	AAA/AA1
Average yield to maturity (%)	6.53	4.67

Sector Allocation (% of Total Net Assets)<sup>1,2</sup>

	FUND
Covered	3.62
Non-US RMBS	12.66
US Agency Passthroughs	31.40
US Non-Agency RMBS	20.88
US Non-Agency CMBS	4.83
US ABS	10.06
Non-US ABS	2.21
Non-US CMBS	4.25
US Agency CMOs	8.39
US Agency CMBS	0.47
Cash / FX	1.21

Quality Distribution (% of Total Net Assets)<sup>1,3</sup>

	FUND
AAA	54.97
AA	7.37
A	6.94
BBB	5.42
BB	2.45
B	2.48
CCC	1.57
CC	0.81
C	0.08
D	0.07
Not Rated	23.14
Cash	-5.29

Top Countries (% of Total Net Assets)<sup>1</sup>

	FUND
U.S.	78.85
United Kingdom	8.77
Spain	3.71
Denmark	3.62
Netherlands	2.76
Italy	1.72
Germany	1.47
Canada	1.21
Ireland	0.88
Other	2.28
Cash	-5.29

† This Fund is classified as an Article 8 product under the Sustainable Finance Disclosure Regulation. Article 8 products are those which promote environmental or social characteristics and which integrate sustainability into the investment process in a binding manner.

<sup>1</sup>May not sum to 100% due to rounding.

<sup>2</sup>For additional information regarding sector classification/definitions please visit

[www.msci.com/gics](http://www.msci.com/gics) and the glossary at [www.morganstanley.com/im](http://www.morganstanley.com/im).

<sup>3</sup>Quality distribution data for securities is sourced from Fitch, Moody's and S&P. Where the credit ratings for individual securities differ between the three ratings agencies, the 'highest' rating is applied. The rating of credit default swaps is based on the 'highest' rating of the underlying reference bond. 'Cash' includes investments in short term instruments, including investments in Morgan Stanley liquidity funds.

Please refer to the Prospectus for full risk disclosures, available at [www.morganstanleyinvestmentfunds.com](http://www.morganstanleyinvestmentfunds.com). All data as of 31.10.2024 and subject to change daily.

## Share Class ZX Risk and Reward Profile

- The fund may be impacted by movements in the exchange rates between the fund's currency and the currencies of the fund's investments.
- The value of bonds are likely to decrease if interest rates rise and vice versa.
- The value of financial derivative instruments are highly sensitive and may result in losses in excess of the amount invested by the Sub-Fund.
- Issuers may not be able to repay their debts, if this happens the value of your investment will decrease. This risk is higher where the fund invests in a bond with a lower credit rating.
- The fund relies on other parties to fulfill certain services, investments or transactions. If these parties become insolvent, it may expose the fund to financial loss.
- Sustainability factors can pose risks to investments, for example: impact asset values, increased operational costs.
- There may be an insufficient number of buyers or sellers which may affect the funds ability to buy or sell securities.
- There are increased risks of investing in emerging markets as political, legal and operational systems may be less developed than in developed markets.
- Past performance is not a reliable indicator of future results. Returns may increase or decrease as a result of currency fluctuations. The value of investments and the income from them can go down as well as up and investors may lose all or a substantial portion of his or her investment.
- The value of the investments and the income from them will vary and there can be no assurance that the Fund will achieve its investment objectives.
- Investments may be in a variety of currencies and therefore changes in rates of exchange between currencies may cause the value of investments to decrease or increase. Furthermore, the value of investments may be adversely affected by fluctuations in exchange rates between the investor's reference currency and the base currency of the investments.

## Additional Z Share Classes

	CURRENCY	LAUNCH	ISIN	BLOOMBERG
Z	USD	03.12.2012	LU0858068314	MSGMSCZ LX
Z (GBP)	GBP	22.09.2023	LU2673104753	MGBASBZ LX
ZH (EUR)	EUR	19.05.2017	LU0908572075	MSGMSZH LX
ZH (SEK)	SEK	19.05.2017	LU1610904333	MSGMZHS LX
ZH1 (EUR)	EUR	01.08.2023	LU2646746110	MSGBZHE LX
ZHX (EUR)	EUR	02.12.2020	LU2260687673	MGABZHX LX
ZHX (GBP)	GBP	05.04.2018	LU1800206838	MSBZHXG LX

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Information in relation to sustainability aspects of the Fund and the summary of investor rights is available at the aforementioned website.

If the management company of the relevant Fund decides to terminate its arrangement for marketing that Fund in any EEA country where it is registered for sale, it will do so in accordance with the relevant UCITS rules.

## DEFINITIONS

**Alpha** (Jensen's) is a risk-adjusted performance measure that represents the average return on a portfolio or investment above or below that predicted by the capital asset pricing model (CAPM) given the portfolio's or investment's beta and the average market return. Prior to 6/30/2018 Alpha was calculated as the excess return of the fund versus benchmark. **Average quality** – average credit quality gives a snapshot of the portfolio's overall credit quality. It is an average of each security's credit rating, adjusted for its relative weighting in the portfolio. **Average yield to maturity** measures the annual return on interest-bearing securities. In this it is assumed that they will be held to maturity. This metric includes both the coupon payments received during the term of the security and the repayment of the capital on maturity. **Beta** is a measure of the relative volatility of a fund to the market's upward or downward movements. A beta greater than 1.0 identifies an issue or fund that will move more than the market, while a beta less than 1.0 identifies an issue or fund that will move less than the market. The Beta of the Market is always equal to 1. **Bloomberg** stands for Bloomberg Global Identifier (BBGID). This is a unique 12 digit alphanumerical code designed to enable the identification of securities, on a Bloomberg Terminal. The Bloomberg Terminal, a system provided by Bloomberg L.P., enables analysts to access and analyse real-time financial market data. Each Bloomberg code starts with the

same BBG prefix, followed by nine further characters that are listed for each share class of the Sub-Fund. **Cash & Equivalents** are defined as the value of assets that can be converted into cash immediately. These include commercial paper, open FX transactions, Treasury bills and other short-term instruments. Such instruments are considered cash equivalents because they are deemed liquid and not subject to significant risk of changes in values.

**Duration** is a measure of the sensitivity of the price (the value of principal) of a fixed-income investment to a change in interest rates. Duration is expressed as a number of years. Rising interest rates mean falling bond prices, while declining interest rates mean rising bond prices.

**Excess Return** or value added (positive or negative) is the portfolio's return relative to the return of the benchmark. **Information ratio** is the portfolio's alpha or excess return per unit of risk, as measured by tracking error, versus the portfolio's benchmark. **ISIN** is the international securities identification number (ISIN), a 12 digit code consisting of numbers and letters that distinctly identifies securities. **NAV** is the Net Asset Value per share of the Sub-Fund (NAV), which represents the value of the assets of a fund less its liabilities. **R squared** measures how well an investment's returns correlate to an index. An R squared of 1.00 means the portfolio performance is 100% correlated to the index's, whereas a low r-squared means that the portfolio performance is less correlated to the index's. **Sharpe ratio** is a risk-adjusted measure calculated as the ratio of excess return to standard deviation. The Sharpe ratio determines reward per unit of risk. The higher the Sharpe ratio, the better the historical risk-adjusted performance. **Tracking error** is the standard deviation of the difference between the returns of an investment and its benchmark. **Volatility (Standard deviation)** measures how widely individual performance returns, within a performance series, are dispersed from the average or mean value.

## INDEX INFORMATION

The **Bloomberg U.S. Mortgage Backed Securities (MBS) Index** tracks agency mortgage backed pass-through securities (both fixed-rate and hybrid ARM) guaranteed by Ginnie Mae (GNMA), Fannie Mae (FNMA), and Freddie Mac (FHLMC). The index is constructed by grouping individual TBA-deliverable MBS pools into aggregates or generics based on program, coupon and vintage. The index is unmanaged and does

not include any expenses, fees or sales charges. It is not possible to invest directly in an index.

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