

High-Yield Bonds in Rising Rates

FIXED INCOME | GLOBAL FIXED INCOME | INVESTMENT INSIGHT | 2017

It's high yield and not high quality that tends to perform better in the bond markets as rates start to rise, says Morgan Stanley's Richard Lindquist.

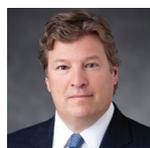
There are times when it might not pay to play it safe in the bond market, and one of those times is now, according to Richard Lindquist, a senior high-yield bond fund manager at Morgan Stanley Investment Management.

When the Federal Reserve hikes rates, it's the lower-quality bonds that tend to be the better-performing, fixed income assets, he argues, and that's already evident. Since Donald Trump was elected in early November, U.S. Treasury bonds have suffered a dramatic sell-off, in anticipation that his fiscal spending plans will prompt more Fed rate hikes next year.

Between November 8 and December 31, 2016, U.S. Treasuries in aggregate have returned -2.63%, and investment-grade bonds have returned -1.82%. High-yield bonds, meanwhile, have returned 1.75%. And within the high-yield market, it's the bonds on the lowest rung of the rating ladder—the single-B and triple-C names—that have performed the best.¹

“If you are going to be in fixed income, then I believe the high-yield market will be one of the better places to be, and within that, the lower-rated credits,” argues Lindquist. U.S. high-yield bonds feel the impact of rising rates like other higher-quality bonds, but usually less so. That's largely because they're more influenced by the equity markets; their maturities are shorter and their coupons higher, says Lindquist.

PORTFOLIO MANAGER



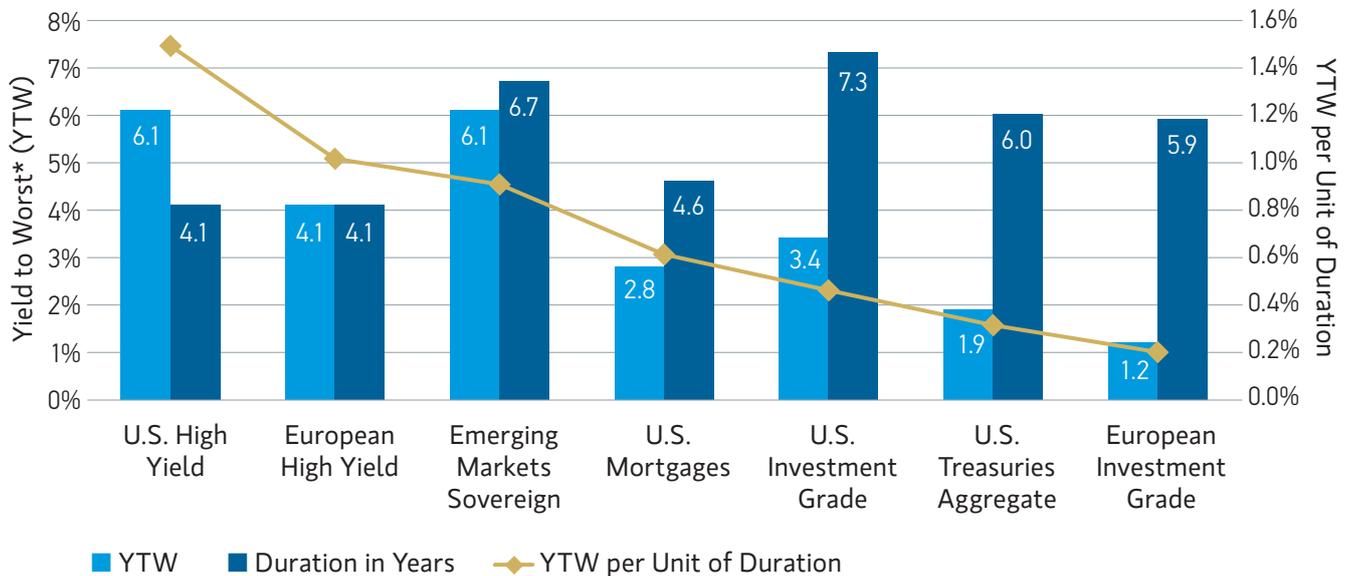
RICHARD LINDQUIST
*Managing Director
High Yield Fixed Income Team*

¹ U.S. Treasury Aggregate; IG: Bloomberg Barclays Corporate Index; HY: Bloomberg Barclays Corporate High Yield Index.



DISPLAY 1

Attractive Yields with Low Duration



*Yield to Worst is the lowest yield an investor can expect when investing in a callable bond. A callable bond is one which gives the issuer the option to redeem the bond at a set date before maturity.

Source: Bloomberg Barclays Capital and JP Morgan

Past performance is not indicative of future results. The indexes are provided for informational purposes only and are not intended to predict or represent the performance of any Morgan Stanley investment or strategy. In general, fixed income investments are subject to credit and interest rate risks. High-yield investments may have a higher degree of credit and liquidity risk. Foreign securities are subject to currency, political, economic and market risks. For more information, please refer to the IMPORTANT DISCLOSURES section.

The Equity Factor

High-yield corporate bonds tend to see the initial round of rate hikes as a good thing, because it’s an improving economy that prompts them. “After the election, we saw much of the sector-based rotation occurring in the equity market spill over to our market,” says Jack Cimarosa, a senior member on Lindquist’s team. “Rentals, construction and basically anything tied to infrastructure traded well.”

The Shorter, the Better

The longer a bond’s maturity date, or duration, the more sensitive it is to rate moves. High-yield companies generally have shorter maturities than their higher-quality competitors. The duration of the Bloomberg Barclays U.S. Corporate High-Yield Index is 4.13 years, for instance, compared with 7.10 years for the Bloomberg Barclays Investment Grade Corporate Index.²

Greater Potential for Income

Having a high yield means a higher coupon or interest payment. Since total returns are the price moves of a bond plus coupon payments, then the higher the coupon, the more able the bond is to absorb any decline in dollar price caused by a rate hike. The Corporate High Yield Index’s yield is around 6.12%, versus 3.37% for the Barclays Investment Grade Index.³

Going Down the Rating Ladder

To get the bigger coupons, Lindquist’s team focuses on the middle market—companies with \$150 million to \$1 billion in total debt. These companies are smaller and their bonds less traded than bigger deals, but they offer better yield.

“The rating agencies—falsely, we believe—give credit for size, so middle-market bonds are always slightly lower-rated than we feel they should be,” says Lindquist. He also prefers to overweight the lowest-rated parts of the market—single-B and triple-C names—where the yields are highest.

“Going into weaker credits would be a harder decision to make if defaults were rising, but we believe defaults will be contained, and might even fall over the next six to 12 months,” he says.

The entire high-yield market’s default rate is around 5.65%, but just 2.0% if energy, metals and mining sectors are stripped out.⁴

² Date: As of December 31, 2016.

³ As of December 31, 2016.

⁴ Moody’s Investors Service, as of December 31, 2016.

IMPORTANT DISCLOSURES

This material is for use of Professional Clients only, except in the U.S. where the material may be redistributed to or used with the general public.

The views and opinions forecasts and estimates expressed are those of the speaker as of the date of publication and are subject to change at any time due to market or economic conditions and may not necessarily come to pass. Furthermore, the views will not be updated or otherwise revised to reflect information that subsequently becomes available or circumstances existing, or changes occurring, after the date of the interview. The views expressed do not reflect the opinions of all portfolio managers at Morgan Stanley Investment Management (MSIM) or the views of the firm as a whole, and may not be reflected in all the strategies and products that the Firm offers.

Forecasts and/or estimates provided herein are subject to change and may not actually come to pass. Information regarding expected market returns and market outlooks is based on the research, analysis and opinions of the authors. These conclusions are speculative in nature, may not come to pass and are not intended to predict the future performance of any specific Morgan Stanley Investment Management product.

All information provided has been prepared solely for informational purposes and does not constitute an offer or a recommendation to buy or sell any particular security or to adopt any specific investment strategy. The information herein has not been based on a consideration of any individual investor circumstances and is not investment advice, nor should it be construed in any way as tax, accounting, legal or regulatory advice. In addition, this material is not an offer, or a solicitation of an offer, to buy or sell any security or instrument or to participate in any trading strategy.

Charts and graphs provided herein are for illustrative purposes only. **Past performance is no guarantee of future results.**

RISK CONSIDERATIONS

There is no assurance that a Portfolio will achieve its investment objective. Portfolios are subject to market risk, which is the possibility that the market values of securities owned by the Portfolio will decline and that the value of Portfolio shares may therefore be less than what you paid for them. Accordingly, you can lose money investing in this Portfolio. Please be aware that this Portfolio may be subject to certain additional risks. Fixed income securities are subject to the ability of an issuer to make timely principal and interest payments (credit risk), changes in interest rates (interest rate risk), the creditworthiness of the issuer and general market liquidity (market risk). In the current rising interest rate environment, bond prices may fall and may result in periods of volatility and increased portfolio redemptions. Longer-term securities may be more sensitive to interest rate changes. In a declining interest rate environment, the Portfolio may generate less income. **High-yield securities ("junk bonds")** are lower-rated securities that may have a higher degree of credit and liquidity risk. **Public bank loans** are subject to liquidity risk and the credit risks of lower-rated securities. In general, **equity securities'** values also fluctuate in response to activities specific to a company. The strategy may invest in restricted and illiquid securities, which may be difficult for the strategy to sell at a reasonable price (**liquidity risk**). **Derivative instruments** may disproportionately increase losses and have a significant impact on performance. They also may be subject to counterparty, liquidity, valuation, correlation and market risks. **Distressed and defaulted securities** are speculative and involve substantial risks in addition to the risks of investing in junk bonds. The Portfolio will generally not receive interest payments on the distressed securities and the principal may also be at risk. These securities may present a substantial risk of default or may be in default at the time of investment, requiring the Portfolio to incur additional costs. **Preferred securities** are subject to interest rate risk and generally decrease in value if interest rates rise and increase in value if interest rates fall. **Mezzanine investments** are subordinated debt securities, thus they carry the risk that the issuer will not be able to meet its obligations and they may lose value. **Foreign securities** are subject to currency, political, economic and market risks. The risks of investing in **emerging market** countries are greater than the risks associated with investments in foreign developed countries.

The **Bloomberg Barclays U.S. Corporate High Yield Index** measures the market of USD-denominated, non-investment grade, fixed-rate, taxable corporate bonds. Securities are classified as high yield if the middle rating of Moody's, Fitch and S&P is Ba1/BB+/BB+ or below. The index excludes emerging market debt.

The **Bloomberg Barclays Pan-European High Yield Index** covers the universe of fixed-rate, sub-investment-grade debt denominated in euros

or other European currencies (except Swiss francs). This index includes only euro- and sterling-denominated bonds, because no issues in the other European currencies now meet all the index requirements. To be included, the bonds must be rated high-yield (Ba1/BB+ or lower) by at least two of the following ratings agencies: Moody's, S&P, Fitch. If only two of the three agencies rate the security, the lower rating is used to determine index eligibility. If only one of the three agencies rates a security, the rating must be high-yield. Bonds must have at least one year to maturity and an outstanding par value of at least 50 million euros. The index does not include nonrated bonds, and it excludes debt from entities in countries that are designated as emerging markets.

The **JP Morgan Emerging Markets Bond Index Global (EMBI Global)** tracks total returns for traded external debt instruments in the emerging markets, and is an expanded version of the EMBI+. As with the EMBI+, the EMBI Global includes U.S. dollar-denominated Brady bonds, loans and eurobonds with an outstanding face value of at least \$500 million.

The **Bloomberg Barclays Mortgage Index** covers the mortgage-backed, pass-through securities of Ginnie Mae (GNMA), Fannie Mae (FNMA) and Freddie Mac (FHLMC). This index is the mortgage-backed securities, fixed-rate component of the Barclays U.S. Aggregate Index.

The **Bloomberg Barclays U.S. Corporate Index** is a broad-based benchmark that measures the investment-grade, fixed-rate, taxable, corporate bond market.

The **Bloomberg Barclays U.S. Treasury Index** includes public obligations of the U.S. Treasury.

The **Bloomberg Barclays Euro Aggregate Corporate Bond Index** measures the investment-grade, euro-denominated, fixed-rate bond market of corporate issues. This index is the corporate bond component of the Bloomberg Barclays Euro Aggregate Bond Index.

The indexes are unmanaged and do not include any expenses, fees or sales charges. It is not possible to invest directly in an index. Any index referred to herein is the intellectual property (including registered trademarks) of the applicable licensor. Any product based on an index is in no way sponsored, endorsed, sold or promoted by the applicable licensor and it shall not have any liability with respect thereto.

Chart Source: U.S. High Yield refers to the Bloomberg Barclays U.S. Corporate High Yield Index. European High Yield refers to the Bloomberg Barclays Pan-European High Yield Index. Emerging Markets Sovereigns refer to the JP Morgan EMBIG Index. U.S. Mortgages refers to the Bloomberg Barclays U.S. Mortgage-Backed Sectors Index. U.S. Investment Grade refers to the Bloomberg Barclays Corporate Index. U.S. Treasuries Aggregate refers to the Barclays U.S. Treasuries Aggregate Index. European Investment Grade refers to the Bloomberg Barclays Euro Aggregate Corporate Index.

This communication is not a product of Morgan Stanley's Research department and should not be regarded as a research recommendation. The information contained herein has not been prepared in accordance with legal requirements designed to promote the independence of investment research and is not subject to any prohibition on dealing ahead of the dissemination of investment research.

This communication is only intended for, and will be only distributed to, persons resident in jurisdictions where such distribution or availability would not be contrary to local laws or regulations.

There is no guarantee that any investment strategy will work under all market conditions, and investors should evaluate their ability to invest for the long-term, especially during periods of downturn in the market. Prior to investing, investors should carefully review the strategy's/product's relevant offering document. There are important differences in how the strategy is carried out in each of the investment vehicles.

EMEA:

This communication was issued and approved in the United Kingdom by Morgan Stanley Investment Management Limited, 25 Cabot Square, Canary Wharf, London E14 4QA, authorized and regulated by the Financial Conduct Authority, for distribution to Professional Clients only and must not be relied upon or acted upon by Retail Clients (each as defined in the U.K. Financial Conduct Authority's rules).

Financial intermediaries are required to satisfy themselves that the information in this document is suitable for any person to whom they provide this document in view of that person's circumstances and purpose. MSIM shall not be liable for, and accepts no liability for, the use or misuse of this document by any such financial intermediary. If such a person considers an investment, she/he should always ensure that she/he has satisfied herself/himself that she/he has been properly advised by that financial intermediary about the suitability of an investment.

U.S.:

A separately managed account may not be suitable for all investors. Separate accounts managed according to the strategy include a number of securities and will not necessarily track the performance of any index. Please consider the investment objectives, risks and fees of the strategy carefully before investing. A minimum asset level is required. For important information about the investment manager, please refer to Form ADV Part 2.

Please consider the investment objectives, risks, charges and expenses of the funds carefully before investing. The prospectuses contain this and other information about the funds. To obtain a prospectus, please download one at morganstanley.com/im or call 1-800-548-7786. Please read the prospectus carefully before investing.

Morgan Stanley Distribution, Inc. serves as the distributor for Morgan Stanley funds.

NOT FDIC INSURED | OFFER NO BANK GUARANTEE | MAY LOSE VALUE | NOT INSURED BY ANY FEDERAL GOVERNMENT AGENCY | NOT A DEPOSIT

Hong Kong:

This document has been issued by Morgan Stanley Asia Limited for use in Hong Kong and shall only be made available to "professional investors" as defined under the Securities and Futures Ordinance of Hong Kong (Cap 571). The contents of this document have not been reviewed nor approved by any regulatory authority including the Securities and Futures Commission in Hong Kong. Accordingly, save where an exemption is available under the

relevant law, this document shall not be issued, circulated, distributed, directed at, or made available to, the public in Hong Kong.

Singapore:

This document should not be considered to be the subject of an invitation for subscription or purchase, whether directly or indirectly, to the public or any member of the public in Singapore other than (i) to an institutional investor under section 304 of the Securities and Futures Act, Chapter 289 of Singapore ("SFA"), (ii) to a "relevant person" (which includes an accredited investor) pursuant to section 305 of the SFA, and such distribution is in accordance with the conditions specified in section 305 of the SFA; or (iii) otherwise pursuant to, and in accordance with the conditions of, any other applicable provision of the SFA. In particular, for investment funds that are not authorized or recognized by the MAS, units in such funds are not allowed to be offered to the retail public; any written material issued to persons as aforementioned in connection with an offer is not a prospectus as defined in the SFA and, accordingly, statutory liability under the SFA in relation to the content of prospectuses does not apply, and investors should consider carefully whether the investment is suitable for them.

Australia:

This publication is disseminated in Australia by Morgan Stanley Investment Management (Australia) Pty Limited ACN: 122040037, AFSL No. 314182, which accepts responsibility for its contents. This publication, and any access to it, is intended only for "wholesale clients" within the meaning of the Australian Corporations Act.

Morgan Stanley Investment Management is the asset management division of Morgan Stanley.

Explore our new site at
www.morganstanley.com/im