

# **Fixed Income Group Research**

# Navigating the crossover bond market beyond the pandemic

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- Historically, crossover bonds—corporate bonds rated between low BBB and high BB that sit at the intersection of the investment-grade and high-yield markets—tend to offer attractive risk-adjusted returns. They can include high-yield bonds on the path to being upgraded to investment grade (known as rising stars) and their opposite, investment-grade bonds that are at risk of being downgraded to high yield (fallen angels).
- Every economic downturn is different, and while the COVID-19 pandemic
  initially triggered downgrades at an unprecedented pace, much of the impact
  was, not surprisingly, centered on sectors affected by travel restrictions and
  social distancing. The liquidity infusion from the swift action by governments
  and central banks globally and the ability of corporations to raise capital via
  the bond market limited the financial impact from business closures.
- Crossover spreads have recovered to historically tight levels on the back of improving corporate earnings and balance-sheet repair made possible by business reopenings in many developed nations and rising COVID-19 vaccination rates. Some relative value opportunities still exist in the crossover universe, though, supporting an investment approach like ours that uses deep fundamental analysis and nimble active management.

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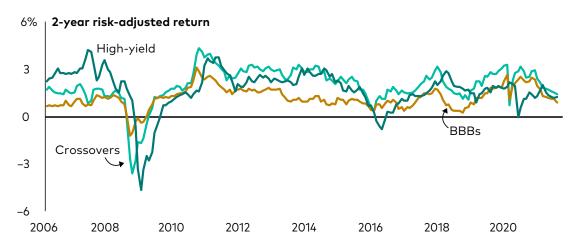
**Min Fang** Credit analyst



#### The investment case for crossovers

Crossover bonds are often seen as an attractive risk bucket on the credit-rating continuum. They tend to have lower credit risk than the broad high-yield market while providing more yield than higher-rated investment-grade bonds. As **Figure 1** shows, over the long term they have produced attractive risk-adjusted returns—a measure of the return earned for the amount of risk taken. From April 2006 through August 2021, the average annualized risk-adjusted return for crossovers was 2.2%, compared with 2.0% for high yield and 1.2% for BBBs, based on data from Bloomberg.

Figure 1. Over time, crossovers tend to generate higher risk-adjusted returns than BBBs or high yield



**Notes:** Data are 2-year averages from April 2006 through August 2021.

**Sources:** Vanguard calculations, based on data from Bloomberg.

Past performance is no guarantee of future returns.

During times of economic stress, fallen angels are more prevalent. They typically underperform the debt of companies that get downgraded but remain within the investment-grade universe, in part because the buyer bases for investment-grade and high-yield bonds differ.

And when the economy is in a recovery phase, ratings upgrades tend to be more numerous, leading to a higher proportion of BB bonds migrating to investment grade. These rising stars typically see their spreads tighten and prices rise more than would be the case for an upgrade within the high-yield universe, in part because of their different buyer bases.

"The price dislocations that occur with bonds crossing the dividing line between investment grade and high yield present opportunities for active bond managers," said Michael Chang, a U.S.-based Vanguard senior portfolio manager. "Vanguard has a large, seasoned team of corporate credit analysts who work collaboratively across geographic regions to assess issuers' credit profiles and, more importantly for our clients in this segment, where they may be headed."

#### Economic downturns: Each time is different

The recession we are just coming out of created a more challenging environment in some ways for crossovers than previous downturns did. It arrived after a decades-long run-up in the size of the corporate debt market. **Figure 2** shows that growth was particularly strong in BBB debt in the decade after the global financial crisis, in part because of low interest rates and companies taking on debt.

"Investors were concerned and cautious regarding the growth in outstanding BBB debt pre-COVID," said Michael Pollitt, a U.K.-based Vanguard senior credit analyst. "Given where we were in the credit cycle, there were fears that an economic slowdown would trigger a wave of downgrades to high yield that the junk bond market might not be able to absorb easily and forced selling by institutions and index funds with investment-grade-only mandates."

\$12 60% Market value Total market value in trillions of (right-hand scale) **U.S.** dollars 10 50 %BBB (left-hand scale) BBB 8 40 A AA 6 30 AAA 20 4 2 10 0 0 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021

Figure 2. Outstanding BBB debt has grown even faster than investment-grade debt overall

**Note:** Data cover outstanding debt from August 31, 2011, through September 8, 2021, and show the total outstanding debt for investment-grade U.S. corporate bonds and pan-European corporate bonds.

**Sources:** Vanguard calculations, based on data from Bloomberg.

Those fears proved overblown. The onset of the pandemic initially produced fallen angels at an unprecedented pace. During the first seven months of 2020, the S&P Global Ratings creditrating agency downgraded 40 issuers of a collective \$340 billion in debt to junk status globally, including big companies such as Occidental Petroleum, Kraft Heinz, Carnival, Delta Air Lines, Renault, and Ford. However, the major dislocation anticipated by the markets pre-pandemic didn't materialize.

This recession was also unusual in being largely caused by efforts to rein in a health crisis, not by more typical culprits such as an overheating economy, a bursting asset bubble, or an unexpected external shock. Sectors that are more sensitive to travel restrictions and other social-distancing measures—such as transportation, leisure, hospitality, and retail—were hit much harder than in other downturns and produced a larger proportion of fallen angels.

In other ways, however, the latest recession has played out better than might have been expected. Unlike during the global financial crisis, many governments and central banks provided swift and unprecedented support to help lessen the pandemic's blow by injecting liquidity into some of the most affected sectors. In the United States, for example, Congress provided three rounds of grants and loans totaling nearly \$80 billion to airlines; regulators

showed flexibility in airport slot usage and lease payments on toll roads; and the Federal Reserve made investment-grade bonds eligible for its asset-purchase program and set up several corporate credit facilities to provide a financing backstop that helped stabilize the market and support a swift recovery in bond spreads.

Credit-rating agencies responded positively to these developments and to a surprisingly fast recovery in corporate earnings overall. We have seen multiple positive rating actions this year from rating agencies. The fallen angel ArcelorMittal, for example, recently completed a round trip back to investment grade in just a little over a year.

"In this environment, we were able to add significant value with crossovers," said Min Fang, a U.S.-based Vanguard credit analyst. "We held on to some fallen angels that were fundamentally solid, which limited the potential loss from fire sales and resulted in outsized returns when those companies began to recover. We also provided liquidity to some corporations that were expected to recover over time—including airlines, cruise lines, and hotels—by purchasing new debt issued during the pandemic at very attractive levels."

#### Where crossover opportunities stand now

Historically, the ideal time to invest in fallen angels has been immediately after a downgrade to high-yield. That's because often most of the bad news has typically been priced in by the time of the downgrade. Since another wave of downgrades is unlikely at this point in the credit cycle, active managers still have the opportunity to try to add value by identifying potential rising stars well ahead of their being upgraded to investment-grade.

By sector, prospects too have shifted. For industries and companies that were facing long-term decline before the pandemic, business conditions could deteriorate further. For example, nonessential brick-and-mortar retailers are likely to face more difficulties as online shopping has accelerated in popularity during the pandemic. As a result, some fallen angels in those industries may remain in high-yield territory.

On the other hand, although some hard-hit industries such as airlines, hospitality, and leisure may see some structural damage to long-term demand for business travel, new demand spurred by global economic growth could provide some offsets. Fallen angels in these industries should recover over time to pre-COVID levels, enabling them to migrate back to investment grade.

And industries that are well-positioned to benefit from new trends emerging in the post-COVID world—including digitization, remote working, and supply-chain reconfiguration—may also see benefits to profitability and thus potentially more rising stars.

"The opportunity set within the crossover universe has narrowed as the global economy recovers from the recession, and the spreads of risk assets have meaningfully tightened over the past 12 months," said Bradley Marr, a U.S.-based Vanguard senior high-yield credit analyst.

"We still have a number of avenues at our disposal, though, to add value: by avoiding fallen angels, as they can experience severe price declines; by taking advantage of market inefficiencies, whereby investing in these fallen angels has proven to provide attractive risk-adjusted returns; and by identifying rising stars, to take advantage of their potential for price appreciation in the event of an upgrade to investment grade."

#### **Active Fixed Income at Vanguard**

**Taxable bond \$331.5**B AUM

14 FUNDS\*/1 ETF

Municipal bond \$222.5B AUM 5 NATIONAL FUNDS/ 7 STATE-SPECIFIC FUNDS 45+
PORTFOLIO
MANAGERS

55+ TRADERS 55+ CREDIT RESEARCH ANALYSTS 180+
DEDICATED
TEAM
MEMBERS

Note: Data are as of June 30, 2021.

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<sup>\*</sup> Includes funds advised by Wellington Management Company LLP.

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