

Managing Inflation Risk

As the capital markets have improved, more investors have shifted their concern from weathering the financial crisis to anticipating the inflationary effects of rising federal spending and debt. Many people are asking how they can prepare for potentially higher inflation. This article explores two basic ways to address inflation uncertainty and highlights asset groups that may prove useful.

As you consider strategies, remember the difference between expected and unexpected inflation. Asset prices already reflect the market's expectations about future inflation, given all available information. Inflation may turn out to be worse than expected, and this risk of unexpected inflation is what some investors may want to manage.

HEDGING VS. TOTAL RETURN STRATEGIES

Investors can prepare for unexpected inflation by following one of two basic strategies—hedging the immediate effects of inflation or earning a total return that outpaces inflation over time.

Hedging involves choosing assets whose value tends to rise with inflation. Although holding these assets may reduce the total return of a portfolio, the positive correlation with inflation can help an investor keep up with rising consumer prices, at least over the short term. (Correlation refers to the co-movement of asset returns. When two assets are positively correlated, their returns tend to move together; when negatively correlated, their returns are dissimilar.)

Candidates for hedging include retirees, fixed income investors, and others who would experience a diminished living standard during an inflationary period. These investors are willing to forfeit long-term growth potential for more immediate inflation protection.

In a total return strategy, an investor attempts to outpace inflation by holding assets that are expected to earn higher real (inflation-adjusted) returns. This investor is willing to give up short-term inflation protection for an opportunity to grow real wealth. Younger investors are typically well suited for this strategy because they have many years until retirement and expect their earnings to advance faster than the inflation rate. As they save and invest for the future, they can accept more risk through greater exposure to higher-return assets, such as stocks.

To insulate a portfolio from unexpected inflation risk, both strategies may employ some combination of stocks, short-term fixed income, and Treasury Inflation-Protected Securities (TIPS). Let's consider each of these:

STOCKS

Equity securities have provided a positive inflation-adjusted return over the long term. From 1926 through 2008, the total US stock market, as measured by the CRSP 1-10 Index, outpaced inflation by an average of 6.16% per year.¹ To achieve this higher expected real return in stocks, however, an investor had to accept more risk, as measured by greater volatility in returns, and endure periods when stocks did not outpace inflation. As a result, stocks may be less effective for hedging short-term inflation and more suitable for investors who want to beat long-term inflation by earning a higher total return.

Some investors assume that high inflation leads to lower stock market performance, while low inflation fuels higher stock returns. In reality, inflation is just one of many factors driving stock performance. US market history since 1926 shows that nominal annual stock returns are unrelated to inflation.

FIXED INCOME (BONDS)

Higher inflation can hurt bondholders in two ways—through falling bond market values triggered by rising interest rates, and through erosion in the real value of interest payments and principal at maturity. This inflation exposure tends to impact the prices of long-term bonds more than those of short-term bonds, and investors can mitigate the effects of rising interest rates by holding shorter-term instruments.

Many types of investors may benefit from holding short-term bonds. When interest rates are climbing, a portfolio with shorter-term maturities enables an investor to more frequently roll over principal at a higher interest rate. This can help inflation-sensitive investors keep up with short-term inflation and enable total return investors to reduce portfolio volatility, which can lead to higher compounded returns and growth of real wealth.

TREASURY INFLATION-PROTECTED SECURITIES

Issued by the US government, TIPS are fixed income securities whose principal is adjusted to reflect changes in the Consumer Price Index (CPI). When the CPI rises, the principal increases, which results in higher interest payments. At maturity, an investor receives the greater of the inflation-adjusted or original principal. The inflation provision enables TIPS to preserve real purchasing power and hedge against unexpected inflation.

TIPS are generally a good short-term inflation hedge since principal is adjusted for changes in the CPI. They are also a good portfolio diversifier for some long-term investors due to their negative correlation with equities and relatively low correlation with most types of fixed income assets. TIPS were introduced in 1997, so these correlations are based on a relatively short sample period.

However, keep in mind that TIPS prices also have been affected by changes in real interest rates, so TIPS may not track inflation one-to-one in the short term or over longer periods of time. In fact, TIPS can lose market value if real interest rates increase.

COMMODITIES

Commodity futures, as well as gold and oil, are perceived as effective inflation hedges because their returns are positively correlated with inflation. But commodities are more volatile than stocks, and their returns do not always rise with inflation because of this significant volatility. So adding these assets to a portfolio may increase real return volatility, which could offset the benefits of hedging.

Investors should also consider the economic argument against holding commodities. Unlike stocks, commodity futures do not generate earnings or create business value. They are essentially a speculative bet in which there is a winner and loser at the end of each trade. Moreover, a broad-based stock portfolio already has significant commodity exposure through ownership of companies involved in energy, mining, agriculture, natural resources, and refined products.

SUMMARY

While the media have featured divergent opinions and theories about the effects of recent government actions on inflation, no one really knows how consumer prices will respond to the complex forces at work in the economy and markets. Investors should carefully review their financial circumstances and investment goals before making changes to their portfolio.

As you assess your exposure to a high-inflation scenario and form a strategy that reflects your financial goals and risk tolerance, consider that:

- Expected inflation is built into asset prices. In our view, markets efficiently integrate all known information into prices. Thus, current prices already reflect expectations of future inflation. Only unexpected news will

affect the inflation outlook.

- Hedging unexpected inflation has a cost. Investments traditionally regarded as effective short-term inflation hedges have lower historical returns than stocks—and some have much higher volatility.
- Volatility matters. Evaluating assets solely on their ability to track inflation disregards the effect of volatility on returns and risk. Some assets that are positively correlated with inflation have large return variances, and adding these to a stock and bond portfolio may increase overall volatility.

Even with the prospect for higher inflation, investors who take a total return approach may be better served than those who choose assets based on correlation with the CPI. By choosing assets with higher expected long-term returns and maintaining broad diversification, investors can seek to grow real wealth and preserve the purchasing power of their dollars.

ENDNOTES

¹ Real return calculation: $(1 + \text{CRSP 1-10 Index return}) / (1 + \text{US CPI}) - 1$. The CRSP 1-10 Index is a market capitalization weighted index of all stocks listed on the NYSE, Amex, NASDAQ, and NYSE Arca stock exchanges. CRSP data provided by the Center for Research in Security Prices, University of Chicago.

The information presented above was prepared by Dimensional Fund Advisors, a non-affiliated third party.

DISCLOSURES

Inflation is typically defined as the change in the non-seasonally adjusted, all-items Consumer Price Index (CPI) for all urban consumers. CPI data are available from the US Bureau of Labor Statistics.

Stock is the capital raised by a corporation through the issue of shares entitling holders to an ownership interest of the corporation. Treasury securities are negotiable debt issued by the United States Department of the Treasury. They are backed by the government's full faith and credit and are exempt from state and local taxes.

CRSP is a non-profit center that also functions as a vendor of historical data. CRSP end-of-day historical data covers roughly 26,500 stocks, both active and inactive. OTC bulletin board stocks are not included.

The indices are not available for direct investment; therefore, their performance does not reflect the expenses associated with the management of an actual portfolio. Past performance is no guarantee of future results, and there is always the risk that an investor may lose money.

Diversification neither assures a profit nor guarantees against loss in a declining market.

Kibble & Prentice | Private Client Services

Neither Kibble & Prentice nor any of its respective representatives or advisors has made or makes any representation or warranty, expressed or implied, as to the accuracy or completeness of the Material. Neither Kibble & Prentice nor their respective representatives or advisors shall have any liability resulting from the use of the Material or any errors or omission therein. These materials contain confidential information and provide general educational information for the use of our clients, potential clients, or that of our clients' legal and tax advisors. Past returns are not a guarantee of future results, and may not be indicative of future performance.

IRS Circular 230 Disclosure: Kibble & Prentice Holding Co. and its affiliates do not provide tax advice. Accordingly, any discussion of U.S. tax matters contained herein (including any attachments) is not intended or written to be used, and cannot be used, in connection with the promotion, marketing or recommendation by anyone unaffiliated with Kibble & Prentice Holding Co. of any of the matters addressed herein or for the purpose of avoiding U.S. tax-related penalties. Also, the information should not be construed as medical or legal advice.

Kibble & Prentice offers securities through M Holdings Securities, Inc., a registered broker/dealer, member FINRA/SIPC.

Kibble & Prentice, a registered investment adviser, offers investment advisory services. Kibble & Prentice is independently owned and operated.

Copyright © 2010 Kibble & Prentice Holding Company. All Rights Reserved.

COMMERCIAL SERVICES

Commercial Insurance &
Risk Management Consulting

Employee Benefits

Health & Welfare Benefits
Retirement Plan Services
Executive Benefit Services
Voluntary Benefits

Business Resources

Corporate Transaction Services
Business Continuation Planning

Industry Specialization

Agri-Business
Healthcare Management Services
Life Sciences
Non Profit
Professional Services
Technology

PRIVATE CLIENT SERVICES

Estate Planning

Asset Management

Personal Insurance

Property, Auto and Liability Insurance
Personal Life, Health, Disability and
Long-Term Care Insurance

→ Kibble & Prentice
601 Union
Suite 1000
Seattle, WA 98101-4064
206 / 441 / 6300
kpc.com

usinw.usi.biz