

## S&P 500® Dividend Aristocrats Risk Control 8% Excess Return Index

### Performance Update - July 2014

#### OVERVIEW

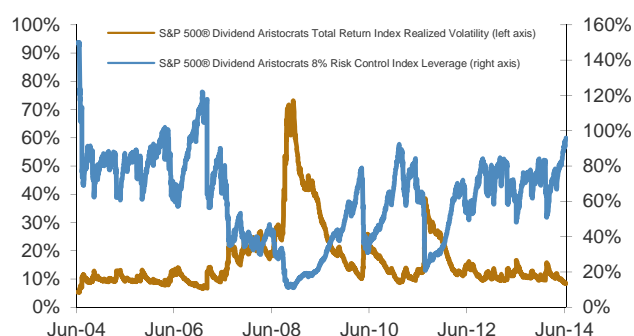
The S&P 500® Dividend Aristocrats Risk Control 8% Excess Return Index (the "Index") provides investors with exposure to the "blue chip" names of the S&P 500® Dividend Aristocrats Total Return Index. It also adds a volatility control mechanism that targets 8% volatility by adjusting its level of exposure to the S&P 500® Dividend Aristocrats Total Return Index. This volatility control mechanism seeks to create a more consistent risk-return profile for the Dividend Aristocrats Risk Control 8% Index.



#### Key Features of the Index

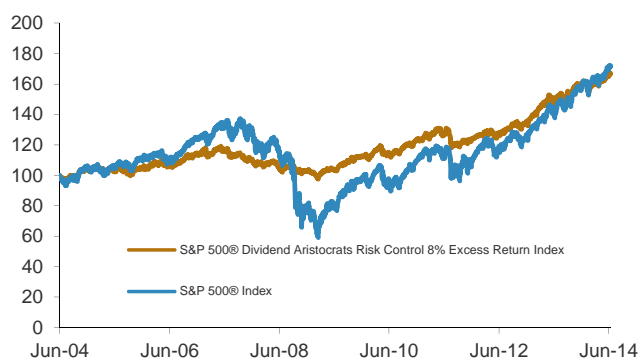
- Exposure to the **S&P 500® Dividend Aristocrats Total Return Index**, a group of 40 or more S&P 500® stocks with records of consistently increasing dividends over the past 25 years. S&P can relax this criterion if less than 40 names qualify.
- In an effort to maintain a constant annualized volatility of 8%, the Index uses an algorithm to **dynamically adjust exposure daily**.
- To adjust exposure, the Index has the ability to employ **leverage** of up to 150% during periods of low volatility.
- **Levels published daily** by Standard & Poor's on Bloomberg. The S&P 500® Dividend Aristocrats Risk Control 8% Excess Return Index targets 8% volatility and is published to Bloomberg under the ticker **SPXD8UE**.

#### Hypothetical Index Volatility and Leverage (June 30, 2004 to June 30, 2014)



Sources: Bloomberg and JPMorgan. Past hypothetical performance results are neither indicative of nor a guarantee of future returns. Actual results will vary, potentially materially, from the hypothetical historical performance provided herein. There is no assurance the Index will outperform the S&P 500® Index, the S&P 500® Dividend Aristocrats Risk Control Index, or any alternative investment strategy.

#### Hypothetical and Actual Historical Performance (June 30, 2004 to June 30, 2014)



#### Recent Performance of the S&P 500® Dividend Aristocrats Risk Control 8% Excess Return Index and the S&P 500® Index (as of Jun 30, 2014)

	Jun 2014	May 2014	Apr 2014
S&P 500® Dividend Aristocrats Risk Control 8% Excess Return Index	1.25%	1.33%	0.74%

Sources: Bloomberg and JPMorgan. Past hypothetical performance results are neither indicative of nor a guarantee of future returns. Actual results will vary, potentially materially, from the hypothetical historical performance provided herein. There is no assurance the Index will outperform the S&P 500® Index, the S&P 500® Dividend Aristocrats Risk Control Index, or any alternative investment strategy.

## Comparative Hypothetical and Historical Total Returns (%), Volatility (%) and Correlation – as of June 30, 2014

	One Year Return	Three Year Annualized Return	Five Year Annualized Return	Ten Year Annualized Return	Ten Year Annualized Volatility	Ten Year Sharpe Ratio
S&P 500® Dividend Aristocrats Risk Control 8% Excess Return Index	12.8%	8.9%	10.0%	5.26%	7.96%	0.66
S&P 500® Index (SPX)	22.0%	14.1%	16.4%	5.56%	20.40%	0.27
S&P 500® Dividend Aristocrats Total Return Index	21.5%	18.2%	21.6%	10.42%	19.27%	0.54
S&P 500® Total Return Index (SPTR)	24.6%	16.6%	18.8%	7.78%	20.40%	0.38

### Notes on performance, volatility, leverage and, Sharpe Ratio statistics

Hypothetical, historical performance measures: Represent the performance of the Index based on, as applicable to the relevant measurement period, the hypothetical backtested daily Index closing levels from June 30, 2004 through August 24, 2010, and the actual historical performance of the Index based on the daily Index closing level from August 25, 2010 through June 30, 2014, as well as the performance of the S&P 500® Index over the same period. For purposes of these examples, each index

was set equal to 100 at the beginning of the relevant measurement period and returns are calculated arithmetically (not compounded). There is no guarantee the relevant Index will outperform the S&P 500® Total Return Index, the S&P 500® Dividend Aristocrats Total Return Index or any alternative investment strategy. Sources: Bloomberg and JPMorgan.

**Volatility** is calculated from the historical returns, as applicable to the relevant measurement period, of the S&P 500® Total Return Index, the S&P 500® Dividend Aristocrats Total Return Index and the S&P 500® Dividend Aristocrats Risk Control 8% Excess Return Index. Volatility represents the annualized standard deviation of the relevant index's arithmetic daily returns through September 30, 2013. The **index leverage** is the hypothetical back-tested amount of exposure of the Index to the S&P 500® Dividend Aristocrats Total Return Index and should not be considered indicative of the actual leverage that would be assigned during an investment in the Index. The **Sharpe Ratio**, which is a measure of risk-adjusted performance, is computed as the ten year annualized historical return divided by the ten year annualized volatility.

The back-tested, hypothetical, historical annualized volatility and index leverage have inherent limitations. These volatility and leverage results were achieved by means of a retroactive application of a back-tested volatility model designed with the benefit of hindsight. No representation is made that in the future the relevant indices will have the volatility as shown. Alternative modeling techniques or assumptions might produce significantly different results and may prove to be more appropriate. Actual annualized volatilities and leverage may vary materially from this analysis. Source: Bloomberg and JPMorgan.

### Key Risks

- The Index has a limited operating history and may perform in unexpected ways. The Index began publishing on August 25, 2010 and, therefore, has a limited history. S&P has calculated the returns that hypothetically might have been generated had the Index existed in the past, but those calculations are subject to many limitations and do not reflect actual trading, liquidity constraints, fees and other costs.
- The Index may not be successful, may not outperform the S&P 500® Dividend Aristocrats Total Return Index and may not achieve its target volatility. No assurance can be given that the volatility strategy will be successful or that the Index will outperform the S&P 500® Dividend Aristocrats Total Return Index or any alternative strategy that might be employed to reduce the level of risk of the S&P 500® Dividend Aristocrats Total Return Index. We also can give no assurance that the Index will achieve its target volatility of 8%.
- The Index is not a total return index, and is subject to short-term money market fund borrowing costs— As an “excess return” index, the S&P 500® Dividend Aristocrats Risk Control 8% Excess Return Index calculates the return on a leveraged or deleveraged investment in the S&P 500® Dividend Aristocrats Total Return Index where the investment was made through the use of borrowed funds. Investments linked to this “excess return” index, which represents an unfunded position in the S&P 500® Dividend Aristocrats Total Return Index, will be subject to short-term money market fund borrowing costs and will not include the “total return” feature or the cash component of the “total return” index, which represents a funded position in the S&P 500® Dividend Aristocrats Total Return Index.
- The Index represents portfolios consisting of the S&P 500® Dividend Aristocrats Total Return Index and a borrowing cost component accruing interest based on a synthetically rolling 3-month bond with reference to the 2-month and 3-month U.S. LIBOR rates. The Index dynamically adjusts its exposures to the S&P 500® Dividend Aristocrats Total Return Index based on the S&P 500® Dividend Aristocrats Total Return Index's historic volatility. The Index's exposure to the S&P 500® Dividend Aristocrats Total Return Index will decrease when historical volatility causes the risk level of the S&P 500® Dividend Aristocrats Total Return Index to reach a high threshold. If, at any time, the Index exhibits low exposure to the S&P 500® Dividend Aristocrats Total Return Index and the S&P 500® Dividend Aristocrats Total Return Index subsequently appreciates significantly, the Index will not participate fully in this appreciation.

### Key Risks Continued

- J.P. Morgan Securities LLC (“JPMS”), one of our affiliates, worked with S&P in developing the guidelines and policies governing the composition and calculation of the Index. The policies and judgments for which JPMS was responsible could have an impact, positive or negative, on the level of the Indices. JPMS is under no obligation to consider your interests as an investor.

*The risks identified above are not exhaustive. You should also review carefully the related “Risk Factors” section in the relevant product supplement and the “Selected Risk Considerations” in the relevant term sheet or pricing supplement.*

### Index Disclaimers

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For more information on the Index and for additional key risk information see Page 4 of the Strategy Guide at:  
[http://www.sec.gov/Archives/edgar/data/19617/000095010312000084/crt\\_dp28021-fwp.pdf](http://www.sec.gov/Archives/edgar/data/19617/000095010312000084/crt_dp28021-fwp.pdf)

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