



Investment Process

We seek to invest in companies, within our preferred themes, with sustainable growth characteristics at attractive valuations that do not fully reflect their long-term potential.

Themes

We identify long-term secular growth trends with the objective of investing in companies that have meaningful exposure to these trends. Our fundamental analysis focuses on those industry leaders with attractive growth and valuation characteristics that will be long-term beneficiaries of any structural change and/or trend.

Sustainable Growth

We apply a fundamental approach to identifying the long-term, sustainable growth characteristics of potential investments. We seek high-quality companies that typically have a sustainable competitive advantage, a superior business model and a high-quality management team.

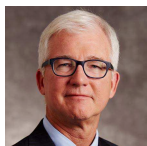
Valuation

We use multiple valuation metrics to establish a target price range. We assess the relationship between our estimate of a company's sustainable growth prospects and its current valuation.

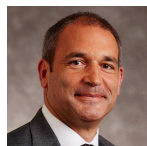
Team Overview

Our team approach combines the benefits of strong leadership with the creative ideas of a deep and highly experienced team of research analysts. We believe this approach allows us to leverage a broad set of perspectives into dynamic portfolios.

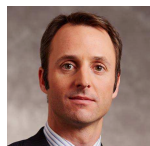
Portfolio Management



Mark L. Yockey, CFA
Portfolio Manager



Charles-Henri Hamker
Portfolio Manager



Andrew J. Euretig
Portfolio Manager

Investment Results (% USD)

As of 30 June 2022	Average Annual Total Returns						
	QTD	YTD	1 Yr	3 Yr	5 Yr	10 Yr	Inception ¹
Composite — Gross	-15.42	-27.45	-28.66	2.65	8.50	11.00	10.54
Composite — Net	-15.62	-27.79	-29.31	1.73	7.50	9.95	9.47
MSCI All Country World Index	-15.66	-20.18	-15.75	6.20	7.00	8.75	7.68

Annual Returns (% USD) 12 months ended 30 June

	2018	2019	2020	2021	2022
Composite — Gross	22.29	13.73	12.27	35.03	-28.66

Source: Artisan Partners/MSCI. Returns for periods less than one year are not annualized. ¹Composite inception: 1 April 2010.

Past performance does not guarantee and is not a reliable indicator of future results. Current performance may be lower or higher than the performance shown. Composite performance has been presented in both gross and net of investment management fees.

Investment Risks: Investments will rise and fall with market fluctuations and investor capital is at risk. Investors investing in strategies denominated in non-local currency should be aware of the risk of currency exchange fluctuations that may cause a loss of principal. These risks, among others, are further described near the back of this document, which should be read in conjunction with this material.



Investing Environment

Rising inflation and interest rates took a toll on equities in the second quarter as the selloff continued across almost every developed market. Prices rose higher, especially in critical areas such as food and fuel, while labor markets remained tight and input costs rose. Even though central banks stepped up their hawkish policies to tame inflation, there were few indications these efforts have yet begun to work, leaving investors mostly uncertain about the future of the economy. By the end of the quarter, many investors and most analysts braced for additional rate hikes, lower liquidity and a slowdown in business earnings, hoping that central bankers can cool inflation without causing a recession.

In Europe, inflation rates, influenced by rising energy prices, rose faster than many expected. Several countries there—those most affected by rising energy prices—even saw annual inflation rates reach double digits. While GDP growth, a generally backward-looking indicator, remained strong by historical measures, consumer confidence and consumer spending dropped as household savings fell and people began to moderate their shopping habits. Additionally, manufacturing data showed the slowest growth in factory activity since 2020. As intake and export orders declined, many EU companies focused on completing backlogged orders. The ECB reduced its growth outlook for the rest of the year and vowed to increase interest rates to help subdue rising inflation. Also significant was the announcement of an agreement among G7 countries to attempt to impose a price cap on Russian oil that would squeeze financial services and shipping companies involved in the trade. It is yet unclear if the price control could be effective in achieving the goal of reducing both the price and profitability of Russian oil for buyers.

In China, GDP growth declined further. The economic weakness was due primarily to successive months-long government-mandated shutdowns in reaction to the country's largest COVID-19 wave to date, affecting much of Shanghai and Beijing. Authorities in China reiterated their commitment to balancing economic growth with public health. By the end of the quarter, however, many factories began to reopen as restrictions were relaxed in most places. Dovish statements about the technology sector and Hong Kong made by officials during the quarter offered additional positive momentum to many beaten-down stocks. While it is anticipated that growth will pick up in the second half of the year, the full-year GDP growth rate is expected to show a sharp slowdown, even with large-scale government-supported stimulus measures consisting of policy rate cuts, tax rebates, extensive public spending, assistance for small and medium-sized businesses and help for its slumping housing market. On one hand, the government's stimulus is a positive sign for a turnaround in growth. On the other hand, the highly communicable omicron variant looms in the background, making future shutdowns and restrictions a distinct possibility.

Performance Discussion

The portfolio marginally outperformed its benchmark, the MSCI All Country World Index, although both lost ground during the quarter. While the dispersion of returns across region varied, all the major MSCI indices ended lower in US dollar terms. There were few places to hide, it seemed, from the pervasive negative sentiment that gripped global equity markets.

Stock selection and a lighter allocation in information technology added to relative performance. Our position in Ideagen, a compliance software developer, added the most value. Ideagen's share price soared after it agreed to a merger with Hg Capital, a leading software investor, which valued the company at a large premium. The purchase reflects the rapid consolidation in the environmental, health and safety (EHS) software segment as more organizations seek to digitize operations, increase efficiencies, better utilize data and reduce regulatory risk. Ideagen serves more than 5,000 companies globally, including seven of the top 10 UK accounting firms, offering clients flexible, traceable and scalable solutions for maintaining regulatory compliance, managing business risks and managing data required by ESG-focused investors. We believe the stock has likely reached full valuation, and therefore we exited the position. The portfolio's lower exposure to tech enhanced outperformance given that information technology was the worst-performing sector in the MSCI All Country World Index, dropping more than 20% during the quarter. This underweight position reflects the fact that our bottom-up process has led us to other, more compelling investment opportunities in other sectors such as energy and consumer discretionary.

Financials was another area where our stock choices added to outperformance. In particular, our investments in large, globally-focused European financial services companies, benefiting from rising interest rates and high volatility, proved valuable. We find the current risk/reward profiles of these holdings appealing given the support that rising rates can provide for net interest margins, a key indicator of profits for banks. These margins reflect the difference between the interest collected on loans and the interest paid on deposits. We believe current market valuations have been overly cautious given the current financial health of households and businesses in developed countries. Financially sound consumers and businesses have led to lower loan loss provisions, an amount set aside to cover non-performing loans for banks. In addition, lower costs and higher returns on invested capital have increased economic values. ING Groep, a Netherlands-based company that provides retail and wholesale banking services, is one such holding. Despite its cautious guidance, we like the company's focus on return on equity (ROE), its strong market position in retail banking and its highly profitable fee business which helps diversify its revenues. Barclays is another European bank holding that performed well relative to peers. Its stock price peaked

and then settled at a higher range after reporting relatively strong first quarter earnings, share buybacks and expanding margins in the UK.

Within biotechnology, an industry in which we have been selective given the risk-off market environment, our out-of-benchmark position in Argenx produced large gains this quarter. Its stock price spiked after the successful launch of its neuromuscular disorder treatment, Vyvgart, exceeding expectations in Japan and the EU. The Belgian-based company develops antibody-based therapies for the treatment of severe autoimmune diseases and cancer. We have conviction in the company's ability to use its intellectual property to create effective treatments in an area of medicine that needs treatments that are safe, effective and targeted.

Finally, an attribute that has shined through all of the outperforming stocks mentioned thus far is geography. Our European holdings produced strong relative returns this quarter, beating those in the US by more than a factor of four. The UK and Belgium were countries where our stock choices especially stood out, across businesses as varied as biotech, cloud software, green energy and consumer and commercial banking. It is perhaps a good reminder to investors that highly valuable, sustainable growing companies can be found in many places around the globe, and that having a geographically diversified portfolio is an important way to access these opportunities.

Alternatively, our stock selection and underweight position in consumer staples reduced relative returns the most this quarter. One of our positions, Darling Ingredients, fell after it closed on a private offering of unsecured senior notes, perhaps a concern for some investors given the current rising rate environment. With 250 plants in 17 countries, Darling Ingredients is the largest publicly traded company turning food waste into sustainable products. Its main business is collecting animal by-products and converting them into food ingredients, animal feed and biofuels. In our opinion, its most valuable assets are those associated with its Diamond Green Diesel joint venture with Valero Energy in which it turns used cooking oil into diesel fuel. We like the strong earnings growth we've seen from this company along with its industry-leading ROE and reasonable valuation.

Losing more than a third of its value, Amazon.com was our lowest-performing stock in the portfolio this quarter, with our overweight position weighing on relative performance. Amazon.com guided for a slowdown in revenues in its core e-commerce business while it also experienced a significant drop in quarterly operating income. The miss reflects the growing softness in consumer sales along with the massive investment the company made to scale up its warehousing and shipping infrastructure over the past two years. To keep up with rising demand during the height of the pandemic, Amazon doubled its fulfillment and distribution network and nearly doubled its workforce to close to 1.6 million employees. Recently, the company admitted that it overbuilt its warehouse capacity, and it now is searching for tenants to sublease up to 10 million square feet of space. Ultimately, this overinvestment led to the company reporting its first

net profit loss after a string of years of extraordinary growth in both revenues and net income. Few have doubts, however, that the company will grow into its current capacity over time.

Positioning

This quarter proved to be another challenging period for sustainable growth investors. The market was focused on selling riskier, more expensive stocks and those most affected by rising inflation. Our large universe, flexible approach and valuation discipline helped the strategy perform well against peers. Our bottom-up investment process led us to reduce our footprint in technology in favor of sustainable energy companies, banks and financial exchanges that we believe have growing, durable earnings, cash flows and wide moats. As always, we look for companies with strong balance sheets, an important consideration as interest rates continue to rise in the near term.

In this context, we added Devon Energy to the portfolio, a leading independent US energy company focused primarily on exploration, development and production of oil and gas in the United States. We appreciate Devon's strong balance sheet, high payout and focus on ESG considerations. The company recently rapidly scaled up its dividend and share buyback programs, helping it generate more than \$1.3 billion in free cash flow. It has also greatly reduced its Scope 1 and 2 greenhouse gas emissions (GHG) over the last three years which has the goal of achieving net zero GHG by 2050. The stock price, like most others in the energy sector, benefited from high oil prices in the first half of the year. Supply constraints and labor shortages, stemming from a recent period of low demand and reduced investment, suddenly became critical as the pandemic lockdowns faded, demand increased and the Russian oil embargo further reduced supply.

Also new to the portfolio is Intercontinental Exchange (ICE), a stock we've held in the past. ICE operates one of the largest commodity and financial products exchanges globally. We value its high margin, high free cash flow business model and its large and growing financial data business. The latter helps ICE diversify its revenue sources, moving the company away from relying solely on transaction fees by adding recurring revenue sources to its mix. With that, its derivatives business accounts for almost 47% of revenues, one that ICE dominates and one that currently enjoys growing trade volume, especially in energy markets. We believe elevated volatility and pricing power provide ICE with strong upside possibilities in the current macro environment.

In addition to closing out our position in Ideagen as mentioned in the performance discussion above, we trimmed our underweight position in Microsoft given some concerns we have about the headwinds that it faces as evidenced by its most recent results. While we like the company's long-term prospects in cloud computing and gaming, the tech giant was negatively affected by slowing economic growth and a strong US dollar. Those factors cut into its revenues and profits,

especially in its core productivity and business process segment, causing the company to lower guidance more than it expected.

Finally, also in information technology, we exited Taiwan Semiconductor Manufacturing to reallocate capital to other, potentially better opportunities. The semiconductor industry is highly cyclical, and while demand is still strong, most data suggest that chip inventories may begin to rise in the coming months as supply chain problems ease.

Outlook

While the economy may eventually begin to decelerate and potentially fall into recession in some countries, we firmly believe that there are still many great investment opportunities available to patient investors. Stock valuations, while still somewhat high compared to pre-pandemic levels, have come down considerably over the last year, opening new entry points for accessing sustainable growers at reasonable prices—well-managed companies benefiting from secular growth trends that can consistently grow earnings for many years to come. Nevertheless, our optimistic expectations are tempered by the elevated market volatility we have experienced over the past six months that has caused weakness across equity markets. Since late last year, we have witnessed rising inflation and interest rates that have caused investors to disengage with fundamentals and valuation, which has led to indiscriminate selling in our view. Adding to investor gloom, many believe that valuations, while substantially lower, have yet to fully reflect the decrease in earnings that will likely occur in the second half of the year, as higher interest rates do their job to slow spending and inflation, reducing corporate earnings as well. This near-term pain, however, could set the stage for a healthier, more sustainable economy in the long run.

Looking ahead, we will continue to keep our eye on macro events as they unfold. New developments in the battle against COVID-19, the Ukraine war, food and energy security in Europe and other events have the possibility to change the trajectory of economic conditions. However, we remain excited about the opportunities we currently see in areas such as banking, financial exchanges, energy, biotechnology, electric vehicles and even luxury goods. For those with the ability and experience to conduct deep fundamental research on the companies and themes they may benefit from, our current market environment offers many possibilities.

ARTISAN CANVAS

Timely insights and updates from our investment teams and firm leadership

Visit www.artisancanvas.com

For more information: Visit www.artisanpartners.com

Investment Risks: International investments involve special risks, including currency fluctuation, lower liquidity, different accounting methods and economic and political systems, and higher transaction costs. These risks typically are greater in emerging markets. Securities of small- and medium-sized companies tend to have a shorter history of operations, be more volatile and less liquid and may have underperformed securities of large companies during some periods. Growth securities may underperform other asset types during a given period. These risks, among others, are further described in Artisan Partners Form ADV, which is available upon request.

Unless otherwise indicated, the Artisan Strategy characteristics relate to that of an investment composite or a representative account managed within a composite. It is intended to provide a general illustration of the investment strategy and considerations used by Artisan Partners in managing that strategy. Individual accounts may differ, at times significantly, from the reference data shown due to varying account restrictions, fees and expenses, and since-inception time periods, among others. Where applicable, this information is supplemental to, and not to be construed with, a current or prospective client's investment account information. References to individual security performance relate to a representative account in the composite. Individual holding periods may differ.

Securities referenced may not be representative of all portfolio holdings. Securities of the same issuer are aggregated to determine a holding's portfolio weight. Portfolio statistics calculations exclude outlier data and certain securities which lack applicable attributes, such as private securities. Artisan Partners may substitute information from a related security if unavailable for a particular security. This material is as of the date indicated and is subject to change without notice. Totals may not sum due to rounding. As of 3 Mar 2022, Russian holdings are valued at zero.

Attribution is used to evaluate the investment management decisions which affected the portfolio's performance when compared to a benchmark index. Attribution is not exact, but should be considered an approximation of the relative contribution of each of the factors considered.

Net-of-fees composite returns were calculated using the highest model investment advisory fees applicable to portfolios within the composite. Fees may be higher for certain pooled vehicles and the composite may include accounts with performance-based fees. All performance results are net of commissions and transaction costs, and have been presented gross and net of investment advisory fees. Dividend income is recorded net of foreign withholding taxes on ex-dividend date or as soon after the ex-dividend date as the information becomes available to Artisan Partners. Interest income is recorded on the accrual basis. Performance results for the Index include reinvested dividends and are presented net of foreign withholding taxes but, unlike the portfolio's returns, do not reflect the payment of sales commissions or other expenses incurred in the purchase or sale of the securities included in the indices.

MSCI All Country World Index measures the performance of developed and emerging markets. The index(es) are unmanaged; include net reinvested dividends; do not reflect fees or expenses; and are not available for direct investment.

MSCI makes no express or implied warranties or representations and shall have no liability whatsoever with respect to any MSCI data contained herein. The MSCI data may not be further redistributed or used to create indices or financial products. This report is not approved or produced by MSCI.

The Global Industry Classification Standard (GICS[®]) is the exclusive intellectual property of MSCI Inc. (MSCI) and Standard & Poor's Financial Services, LLC (S&P). Neither MSCI, S&P, their affiliates, nor any of their third party providers ("GICS Parties") makes any representations or warranties, express or implied, with respect to GICS or the results to be obtained by the use thereof, and expressly disclaim all warranties, including warranties of accuracy, completeness, merchantability and fitness for a particular purpose. The GICS Parties shall not have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) even if notified of such damages.

This summary represents the views of the portfolio manager as of 30 Jun 2022. Those views and portfolio holdings are subject to change and Artisan Partners disclaims any obligation to advise investors of such changes. The discussion of portfolio holdings does not constitute a recommendation of any individual security. For a complete list of holdings by contribution to the strategy, refer to the Contributors to Return chart.

Return on Equity (ROE) is a profitability ratio that measures the amount of net income returned as a percentage of shareholders' equity. **Return on Invested Capital (ROIC)** is a measure of how well a company generates cash flow relative to capital invested in the business. **Relative Return/Relative Performance** is the return an asset achieves over a period of time compared to a benchmark. The relative return (or performance) is the difference between the asset's return and the return of the benchmark. **Free Cash Flow** is a measure of financial performance calculated as operating cash flow minus capital expenditures. **Dividend Payout Ratio** is the percentage of earnings paid to shareholders in dividends.

This material is provided for informational purposes without regard to your particular investment needs and shall not be construed as investment or tax advice on which you may rely for your investment decisions. Investors should consult their financial and tax adviser before making investments in order to determine the appropriateness of any investment product discussed herein. In no event shall Artisan Partners have any liability for direct, indirect, special, incidental, punitive, consequential (including, without limitation, lost profits) losses or any other damages resulting from the use of this material.

Artisan Partners Limited Partnership (APLP) is an investment adviser registered with the U.S. Securities and Exchange Commission (SEC). Artisan Partners UK LLP (APUK) is authorized and regulated by the Financial Conduct Authority and is a registered investment adviser with the SEC. APEL Financial Distribution Services Limited (AP Europe) is authorized and regulated by the Central Bank of Ireland. APLP, APUK and AP Europe are collectively, with their parent company and affiliates, referred to as Artisan Partners herein. Artisan Partners is not registered, authorised or eligible for an exemption from registration in all jurisdictions. Therefore, services described herein may not be available in certain jurisdictions. This material does not constitute an offer or solicitation where such actions are not authorised or lawful, and in some cases may only be provided at the initiative of the prospect. Further limitations on the availability of products or services described herein may be imposed.

This material is only intended for investors which meet qualifications as institutional investors as defined in the applicable jurisdiction where this material is received, which includes only *Professional Clients* or *Eligible Counterparties* as defined by the Markets in Financial Instruments Directive (MiFID) where this material is issued by APUK or AP Europe. This material is not for use by retail investors and may not be reproduced or distributed without Artisan Partners' permission.

In the United Kingdom, issued by APUK, 25 St. James's St., Floor 3, London SW1A 1HA, registered in England and Wales (LLP No. OC351201). Registered office: Reading Bridge House, Floor 4, George St., Reading, Berkshire RG1 8LS. In Ireland, issued by AP Europe, Fitzwilliam Hall, Fitzwilliam Pl, Ste. 202, Dublin 2, D02 T292. Registered office: 70 Sir John Rogerson's Quay, Dublin 2, D02 R296 (Company No. 637966).

Australia: This material is directed at wholesale clients only and is not intended for, or to be relied upon by, private individuals or retail investors. Artisan Partners Australia Pty Ltd is a representative of APLP (ARBN 153 777 292) and APUK (ARBN 603 522 649). APLP and APUK are respectively regulated under US and UK laws which differ from Australian laws and are exempt from the requirement to hold an Australian financial services license under the Australian Corporations Act 2001 in respect to financial services provided in Australia.

Canada: This material is distributed in Canada by APLP and/or Artisan Partners Distributors LLC, which conduct activities in Canada under exemptions from the dealer, portfolio manager and investment fund manager registration requirements of applicable Canadian securities laws. This material does not constitute an offer of services in circumstances where such exemptions are not available. APLP advisory services are available only to investors that qualify as "permitted clients" under applicable Canadian securities laws.

© 2022 Artisan Partners. All rights reserved.

For Institutional Investors – Not for Onward Distribution



Artisan Global Equity Strategy

Quarterly Contribution to Return (% USD)

As of 30 June 2022

Top Contributors	Average Weight	Contribution to Return	Ending Weight
Ideagen PLC	0.58	0.72	0.00
Argenx SE	2.97	0.59	3.75
Halozyme Therapeutics Inc	4.55	0.42	5.02
China Tourism Group Duty Free Corp Ltd	0.38	0.24	1.18
T-Mobile US Inc	2.72	0.14	3.08
New Horizon Health Ltd	0.80	0.12	1.13
Airbus SE	0.01	0.01	0.00
Unilever PLC	0.30	0.01	0.74
BFF Bank SpA	1.85	0.01	1.98
ING Groep NV	2.03	0.01	2.33
Sberbank of Russia PJSC	0.00	0.00	0.00
MMC Norilsk Nickel PJSC	0.00	0.00	0.00
Cash Holdings	1.26	-0.01	0.90
CGN Power Co Ltd	0.78	-0.02	0.79
Neste Oyj	0.35	-0.03	0.52
Taiwan Semiconductor Manufacturing Co Ltd	0.07	-0.03	0.00
ViewRay Inc	0.07	-0.03	0.00
L3Harris Technologies Inc	1.60	-0.03	1.81
Barry Callebaut AG	0.89	-0.04	0.89
KION Group AG	0.13	-0.04	0.27
LVMH Moët Hennessy Louis Vuitton SE	0.64	-0.05	1.13
Ferrovial SA	1.55	-0.05	1.66
Barclays PLC	1.35	-0.06	1.53
Toyota Industries Corp	0.84	-0.06	0.91
UBS Group AG	0.19	-0.07	0.97
Linde PLC	0.79	-0.08	0.79
Hoya Corp	0.26	-0.09	0.00
Medacta Group SA	0.46	-0.09	0.40
Reliance Industries Ltd	1.37	-0.10	1.46
The Descartes Systems Group Inc	0.73	-0.11	0.68
The TJX Cos Inc	1.59	-0.13	1.59
Allianz SE	1.12	-0.13	0.00
BNP Paribas SA	1.58	-0.15	1.82
Devon Energy Corp	1.07	-0.16	1.12
Natera Inc	1.48	-0.17	1.44
EQT Corp	2.90	-0.17	2.61

Bottom Contributors	Average Weight	Contribution to Return	Ending Weight
Amazon.com Inc	3.32	-1.29	3.19
Booking Holdings Inc	3.03	-0.84	2.72
Alphabet Inc	3.83	-0.82	4.24
Schlumberger NV	3.70	-0.68	3.85
Darling Ingredients Inc	2.33	-0.64	1.99
Nibe Industrier AB	1.68	-0.59	1.47
Crown Holdings Inc	2.08	-0.58	2.08
Vertiv Holdings Co	1.11	-0.55	0.97
UCB SA	1.63	-0.55	1.27
ACADIA Pharmaceuticals Inc	0.99	-0.52	0.71
Volue ASA	0.73	-0.49	0.51
Viaplay Group AB	0.81	-0.47	0.56
Canadian Pacific Railway Ltd	3.07	-0.47	3.19
Microsoft Corp	2.68	-0.46	2.64
ROCKWOOL A/S	1.22	-0.42	1.54
Azbil Corp	1.94	-0.41	1.91
Stryker Corp	1.46	-0.39	1.25
Altair Engineering Inc	2.02	-0.37	2.05
NOV Inc	2.08	-0.35	2.21
Deutsche Post AG	1.96	-0.35	1.89
Majorel Group Luxembourg SA	1.67	-0.31	1.65
American Software Inc	1.22	-0.30	0.03
Ascendis Pharma A/S	1.25	-0.28	1.24
Workiva Inc	0.42	-0.27	0.14
Intercontinental Exchange Inc	0.94	-0.27	1.27
Aon PLC	1.44	-0.26	1.31
Horizon Therapeutics PLC	1.01	-0.26	0.83
Brenntag SE	1.40	-0.26	1.30
Capgemini SE	1.02	-0.23	0.97
Johnson Controls International PLC	0.62	-0.22	0.00
Vale SA	0.70	-0.21	0.65
Kinaxis Inc	0.92	-0.20	0.78
China Longyuan Power Group Corp Ltd	1.56	-0.19	1.61
Shell PLC	3.27	-0.19	3.34
Chesapeake Energy Corp	0.33	-0.18	1.03
Anaergia Inc	0.19	-0.18	0.00
Canadian National Railway Co	1.10	-0.17	1.14

Source: Artisan Partners/FactSet. Performance is historical and is not a reliable indicator of future results. As of 30 Jun 2022. These investments made the greatest contribution to, or detracted most from, performance during the period based on a representative account within the strategy Composite. Upon request, Artisan will provide: (i) the calculation methodology and/or (ii) a list showing the contribution of each holding to overall performance during the measurement period. Securities of the same issuer are aggregated to determine the weight in the portfolio. % Contribution to Return is calculated by FactSet by multiplying a security's weight in the portfolio by its in portfolio return for the period referenced and does not take into account expenses of the portfolio. Purchases/sales are accounted for by using end of the day prices, which may or may not reflect the actual purchase/sale price realized by the portfolio.