Product Base Currency of US Dollar (USD)

General Information

Asset Class: Primary Universe: Marketing Contact:

Phone / Fax:

Email Address:

United States - Equity

eVestment US Micro Cap Growth Equity

Ken Rogers Marketing Contact 914-251-1084 / --ken@arrowpartners.com

Key Facts

Primary Capitalization: Micro Cap Primary Style Emphasis: Growth

Preferred Benchmark: Russell Microcap Growth

Total Product Assets: \$68.6 Total Product Accounts: 6 SA Product Offered As: Investment Focus: Long Only Status: Active

Asset & Account Information

Current Totals	Assets (M)	Accounts
Product	\$68.6	6
Taxable	\$5.1	1
Tax-Exempt	\$63.5	5
Institutional	\$68.6	6

Gained	Accounts	Assets (M)	% Product Assets
MRQ	0	\$0.0	0.0%
YTD	0	\$0.0	0.0%
2019	1	\$26.8	81.5%
2018	0	\$0.0	0.0%

Assets by Vehicle Type	Assets (M)
Separate / Segregated	\$63.5
Pooled / Commingled	\$5.1
Mutual Fund / Institutional	\$0.0
Mutual Fund / Retail	\$0.0

Lost	Accounts	Assets (M)	% Product Assets
MRQ	0	\$0.0	0.0%
YTD	0	\$0.0	0.0%
2019	0	\$0.0	0.0%
2018	0	\$0.0	0.0%

Portfolio Characteristics

Strategy Snapshot

Primary Capitalization: Micro Cap Primary Style Emphasis: Preferred Benchmark: Growth Russell Microcap Growth Secondary Style Emphasis: Not Applicable Current Number Of Holdings: 100 Foreign Securities Utilized: Approach Towards Currency Hedging: ---

% Hedged Back to Local Currency: ---% Max Allowed in Emerging Markets: Derivatives Utilized: Nο

Fundamental Characteristics

Current Cash Position: 4.7% Annual Turnover (LTM): 39% Current P / E (12-mo Trailing): 28.91x Current P / B (12-mo Trailing): Current P / S (12-mo Trailing): 1.99x 0.74x Earnings Growth (Past 5 Yrs): Weighted Avg. Mkt Cap (M): \$508 Median Market Cap (M): \$185

Market Capitalization Breakdown > \$50 Billion: 0.00% \$15-50 Billion:

0.00% \$7.5-15 Billion: 0.00% \$1.5-7.5 Billion: \$750 Million-1.5 Billion: 4.35% 8.44% \$400 Million-750 Million: 13.33% < \$400 Million: 73.86%

Performance Information

Track Record: Essex Micro Cap Growth Strategy - Gross

Risk Index: Russell Microcap Growth Risk-Free Index: FTSE 3-Month T-Bill Frequency: Monthly

		Returns							
Trailing Periods	Product	Benchmark	Excess	Std Dev	Alpha	Beta	Trk Error	Info Ratio	Sharpe Ratio
1 Year	-4.59	7.89	-12.48	35.76	-11.12	1.00	8.65	-1.44	-0.17
2 Year	-2.69	-1.35	-1.35	30.29	-1.17	0.96	8.38	-0.16	-0.15
3 Year	5.76	5.20	0.56	25.56	0.94	0.97	7.50	0.07	0.16
4 Year	11.69	9.33	2.36	22.76	2.88	0.94	7.26	0.32	0.45
5 Year	5.76	3.10	2.66	21.64	2.96	0.89	7.62	0.35	0.21
6 Year	5.92	4.90	1.01	20.06	1.70	0.84	8.22	0.12	0.25
7 Year	9.41	7.77	1.63	19.65	2.69	0.85	8.16	0.20	0.44
8 Year	13.31	9.86	3.45	19.31	4.53	0.87	8.04	0.43	0.65
9 Year	11.04	8.30	2.74	19.95	3.60	0.88	7.72	0.36	0.52
10 Year	14.44	11.12	3.32	20.17	4.25	0.89	7.52	0.44	0.69
Since Inception (10/2007)	8.41	5.75	2.67	22.93	3.01	0.94	7.53	0.35	0.34

Returns	MRQ	YTD	2019	2018	2017	2016	2015	2014	2013
Product	34.85	-9.22	20.53	-4.02	27.71	8.76	-7.62	4.43	78.29
Benchmark	38.84	1.92	23.33	-14.18	16.65	6.86	-3.85	4.30	52.84
Excess	-3.99	-11.13	-2.80	10.16	11.06	1.90	-3.76	0.13	25.45

Fee Information

Vehicle Type	Available	Min. Size (M)	Minimum Fee
Separate / Segregated	Open	\$3.00	
Pooled / Commingled	Not Available		
Institutional MFs	Not Available		

Fees By Acct. Size	\$25M	\$50M	\$75M	\$100M
Separate / Segregated	\$250,000	\$500,000	\$750,000	\$1,000,000
	100 bps	100 bps	100 bps	100 bps
Pooled / Commingled				
Institutional MFs				

Professional Information

Team Description	No.	Avg. Yrs. Exp.	Avg. Yrs. @ Firm
Portfolio Managers	1	36	15
Research Analysts	3	20	12
Traders	2	32	28
Risk Portfolio / Monitoring	0	0	0

	Portfolio Mgrs.	Analysts	
MRQ			
2019	0	0	
2018	0	0	
MRQ			
2019	0	0	
2018	0	0	
	2019 2018 MRQ 2019	MRQ 2019 0 2018 0 MRQ 2019 0	

USD

Product Base Currency of US Dollar (USD)

General Information

Asset Class: Primary Universe: Marketing Contact: Title: Phone / Fax: Email Address: United States - Equity eVestment US Micro Cap Growth Equity Ken Rogers Marketing Contact 914-251-1084 / --ken@arrowpartners.com

Key Facts

Primary Capitalization: Primary Style Emphasis: Preferred Benchmark: Total Product Assets: Total Product Accounts: Product Offered As:

Investment Focus:

Status:

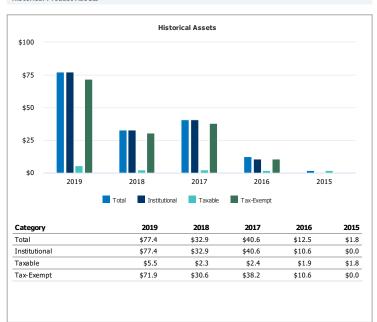
Micro Cap Growth

Russell Microcap Growth \$68.6

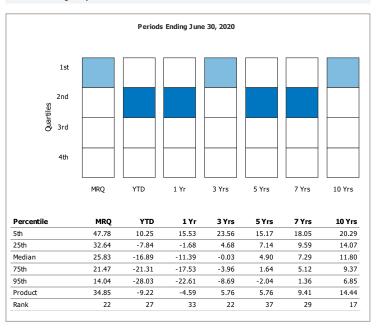
SA Long Only Active

Historical Product Assets & Universe Ranking Analysis vs US Micro Cap Equity

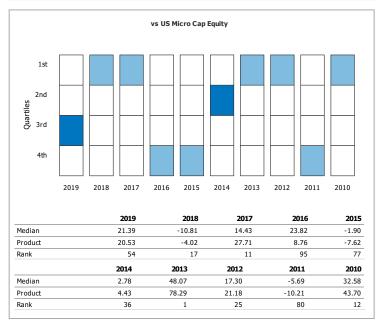
Historical Product Assets



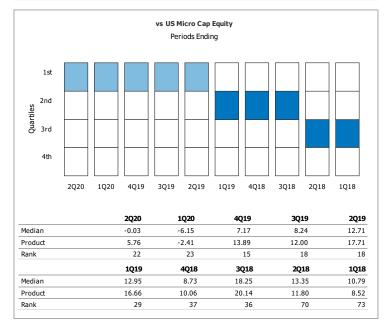
Universe Ranking Analysis: Annualized Returns



Universe Ranking Analysis: Calendar Year Returns



Universe Ranking Analysis: Rolling 3-Year Returns



Product Base Currency of US Dollar (USD)

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Email Address:

United States - Equity eVestment US Micro Cap Growth Equity Ken Rogers Marketing Contact 914-251-1084 / ---

ken@arrowpartners.com

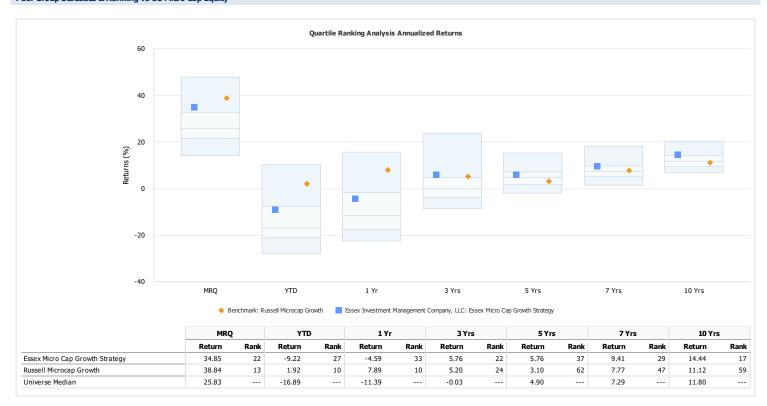
Key Facts

Status

Primary Capitalization: Primary Style Emphasis: Preferred Benchmark: Total Product Assets: Total Product Accounts: Product Offered As: Investment Focus: Micro Cap Growth Russell Microcap Growth

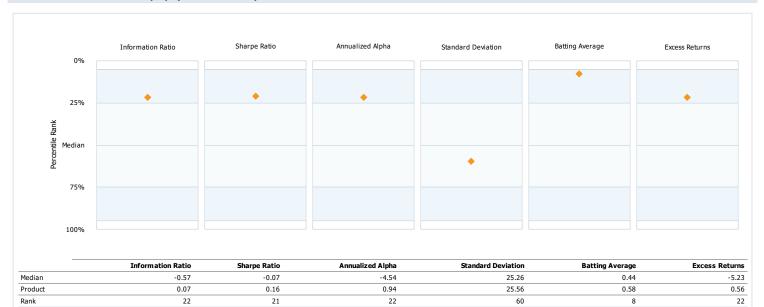
SA Long Only Active

Peer Group Statistics & Ranking vs US Micro Cap Equity



Product Base Currency of US Dollar (USD)

Three Year Statistics vs US Micro Cap Equity vs Russell Microcap Growth



Product Base Currency of US Dollar (USD)

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Email Address:

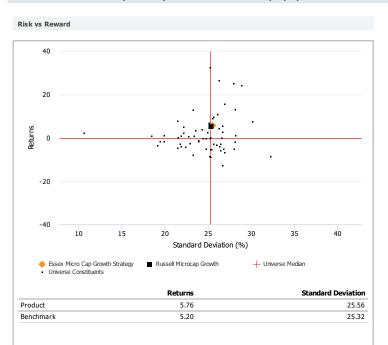
United States - Equity eVestment US Micro Cap Growth Equity Ken Rogers Marketing Contact 914-251-1084 / --ken@arrowpartners.com

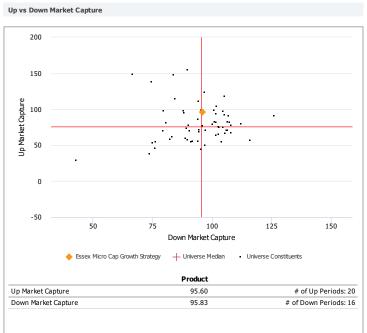
Key Facts

Status:

Primary Capitalization: Primary Style Emphasis: Preferred Benchmark: Total Product Assets: Total Product Accounts: Product Offered As: Investment Focus: Micro Cap Growth Russell Microcap Growth \$68.6 6 SA Long Only Active

Risk vs Reward & Market Capture Analysis: 3 Years vs US Micro Cap Equity

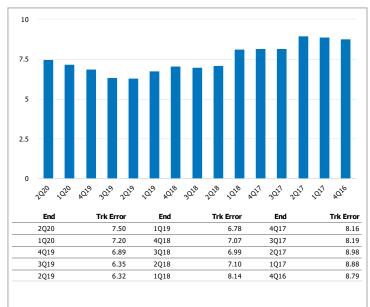




Market Capture Analysis: 3 Years



Tracking Error: Rolling 3-Year Periods



Micro Cap Growth

Period	Gross Return	Net Return	Benchmark Return	Number of Portfolios	Total Composite Assets (USD millions)	Total Firm Assets (USD millions)	Composite Assets as a % of Total Firm Assets	Dispersion	Composite 3-year Standard Deviation	Benchmark 3-year Standard Deviation
2010	43.7 %	42.0 %	29.5 %	≤ 5	\$1.6	\$1,470	0.1 %	-	31.0 %	29.1 %
2011	-10.2 %	-11.4 %	-8.4 %	≤ 5	\$1.4	\$1,058	0.1 %	-	24.6 %	25.2 %
2012	21.2 %	19.7 %	15.2 %	≤ 5	\$3.9	\$612	0.6 %	-	21.4 %	21.6 %
2013	78.3 %	76.2 %	52.8 %	≤ 5	\$5.8	\$740	0.8 %	-	18.6 %	18.5 %
2014	4.4 %	3.4 %	4.3 %	≤ 5	\$5.3	\$683	0.8 %	-	15.7 %	16.5 %
2015	-7.6 %	-8.6 %	-3.9 %	≤ 5	\$1.8	\$677	0.3 %	-	15.7 %	17.6 %
2016	8.8 %	7.7 %	6.9 %	≤ 5	\$12.5	\$606	2.1 %	-	13.7 %	19.4 %
2017	27.7 %	26.5 %	16.7 %	≤ 5	\$40.6	\$765	5.3 %	-	12.6 %	17.0 %
2018	-4.0 %	-5.0 %	-14.2 %	≤ 5	\$32.9	\$622	5.3 %	-	15.4 %	18.5 %
2019	20.5 %	19.3 %	23.3 %	6	\$77.4	\$713	10.9 %	0.2	16.1 %	17.8 %

Essex Investment Management Company, LLC ("Essex") claims compliance with the Global Investment Performance Standards (GIPS*) and has prepared and presented this report in compliance with the GIPS standards. Essex has been independently verified for the periods January 1, 1993 through December 31, 2019. Verification assesses whether (1) the firm has complied with all the composite construction requirements of the GIPS standards on a firm-wide basis and (2) the firm's policies and procedures are designed to calculate and present performance in compliance with the GIPS standards. The Micro Cap Growth composite has been examined for the periods October 1, 2007 through December 31, 2019. The verification and performance examination reports are available upon request.

Notes

- 1. Organization: Essex Investment Management Company, LLC ("Essex") is an independently owned investment management firm founded in 1976. Essex is a registered investment adviser with the SEC. The firm offers investment management services to individuals, institutional investors, separately managed sub-advisory account programs, and sub-advisory management services to mutual funds. When used herein, the term Essex also refers to the firm's predecessor, Essex Investment Management Company, Inc. On January 1, 2005, the Burridge Growth Partners division of the former The Burridge Group LLC merged with Essex. Burridge Growth Partners' portfolio manager, analysts and investment decision making process remained intact and its separately managed accounts continued under Essex's management.
- **2. Composite Definition:** This composite includes all actual, fee-paying, fully discretionary accounts managed by Essex to seek capital appreciation by investing in micro capitalization growth companies. The use of leveraging, short positions and derivatives has not been used by any of the accounts. The composite was created on March 13, 2008.
- 3. Benchmark: The Russell Micro Cap® Growth Index contains those securities in the Russell Micro Cap Index with a greater-than average growth orientation, and includes reinvestment of dividends. The Russell Micro Cap® Growth Index is a trademark of Russell Investments. Russell Investments is the owner of the trademarks, service marks and copyrights related to its respective indexes. An index is unmanaged, does not incur fees or expenses, and cannot be invested in directly. Benchmark returns are not covered by the report of independent verifiers.
- **4. Dispersion & Standard Deviation:** Essex uses an asset-weighted standard deviation calculation to measure dispersion. Only portfolios that are included in the composite for the entire year have been included in the dispersion calculation; it is not presented for periods less than one year or when there are five or fewer portfolios in the composite. The three-year annualized standard deviation measures the variability of the composite and the benchmark returns over the preceeding 36 month period.
- 5. Fees: The standard advisory fee is: For all accredited investor accounts 1.0% on all assets. Essex's standard advisory fee schedules are described in its Part II of Form ADV. The above net returns are based on a model 1.0% advisory fee which is applied monthly to calculate the net performance numbers.
- 6. Calculation Methodology: Gross performance results presented are net of transaction costs, but before management fees, custody fees and other indirect expenses. Net performance results are presented net of the maximum applicable management fees, transaction costs, withholding taxes and direct expenses, but before custody fees and other indirect expenses. This composite does not incur any performance-based fees. Composite returns include the reinvestment of income and class action proceeds, if applicable. Actual returns will be reduced by investment advisory fees. Investment advisory fees are generally collected quarterly, which produces a compounding effect on the total rate of return net of management fees. As an example, the effect of investment advisory fees on the total value of a client's portfolio assuming \$1,000,000 investment, portfolio return of 10% a year, and a 1.0% annual investment advisory fees would be \$10,577 in the first year, and a cumulative effects of \$63,180 over five years. The five year compounded gross rate of return of 61.1% would be reduced to 53.2% after taking into account advisory fees. The actual fee charged to an individual account may differ from the standard schedule depending on a number of factors including account type and size.
- 7. Other Matters/Disclosures: A complete list and description of the firm's composites are available upon request. Additional information regarding the firm's policies for valuing portfolios, calculating performance, and preparing compiliant presentations are available upon request. Clients or prospective clients should not assume they will have an investment experience similar to that indicated by the past performance results of the composite. Valuations and returns are computed and stated in U.S. Dollars. Past composite performance is not necessarily predictive of how an investors' individual account will perform. Whenever the potential for profit exists, there is also the potential for loss. This document has been approved for use in one-on-one presentations only and Essex requires that third party consultants provide this performance information and the related disclosures only in one-on-one presentations. Registration as an investment adviser with the SEC does not imply a certain level of skill or training. Such registration in no way implies that the Securities and Exchange Commission approves or endorses Essex, its strategies, or any of its marketing materials.

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Performance Disclosures:

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Additional information regarding policies for calculating and reporting returns is available upon request



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