



# CAMRADATA Independent Quantative Universe Report

Dec 2021

## Clear and Independent

### Institutional Investment Analysis

We provide institutional investors, including pension funds, insurance companies and consultants, with data and analysis to assess, research and report on their investments. We are committed to fostering and nurturing strong, productive relationships across the institutional investment sector and are continually innovating new solutions to meet the industry's complex needs.

We enable institutional investors, including pension funds, insurance companies and consultants, to conduct rigorous, evidence-based assessments of more than 5,000 investment products offered by over 700 asset managers.

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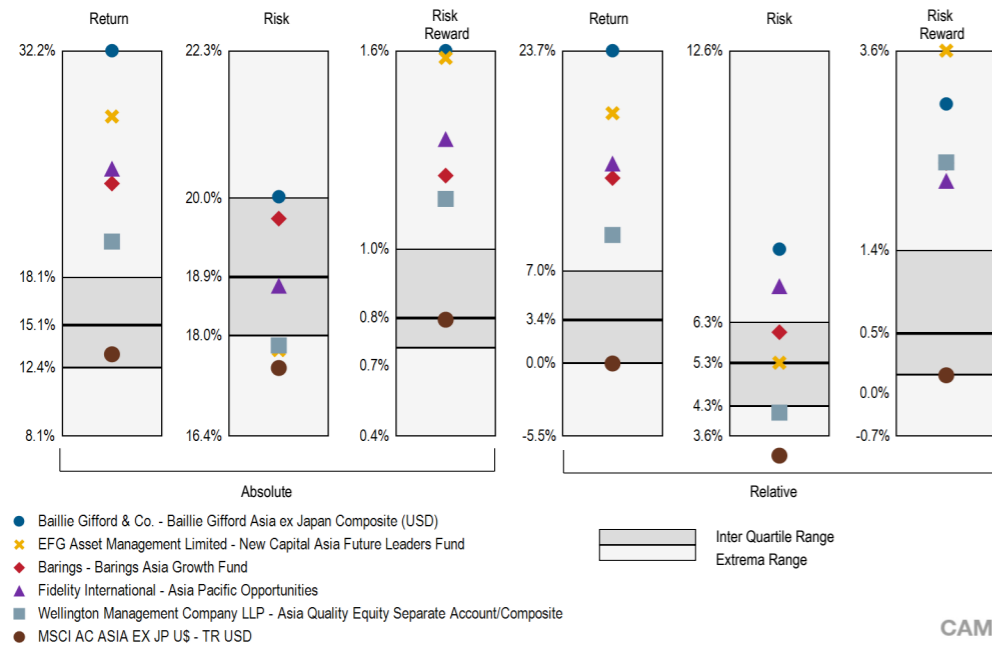


# Asia Ex-Japan Equity (USD)

## Three Year Returns :

### Asia Ex-Japan Equity (USD)

Data 33 products  
 Benchmark MSCI AC ASIA EX JP US - TR USD  
 Period Three Years to Dec 2021

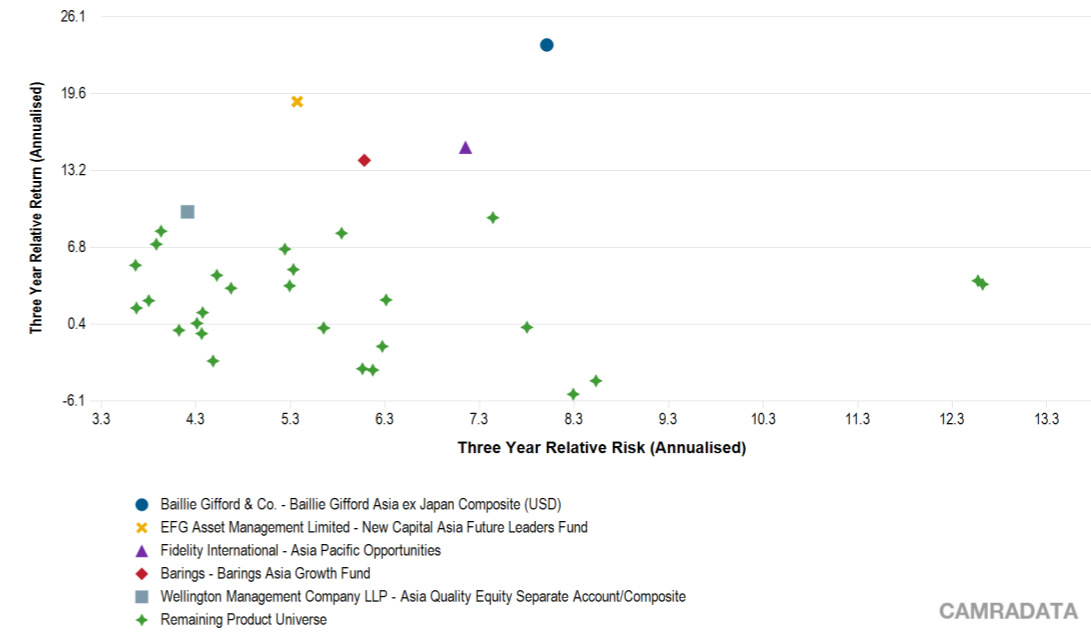


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## Three Year Relative Risk Return :

### Asia Ex-Japan Equity (USD)

Data 33 products  
 Benchmark MSCI AC ASIA EX JP US - TR USD  
 Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: MSCI AC ASIA EX JP US\$ - TR USD

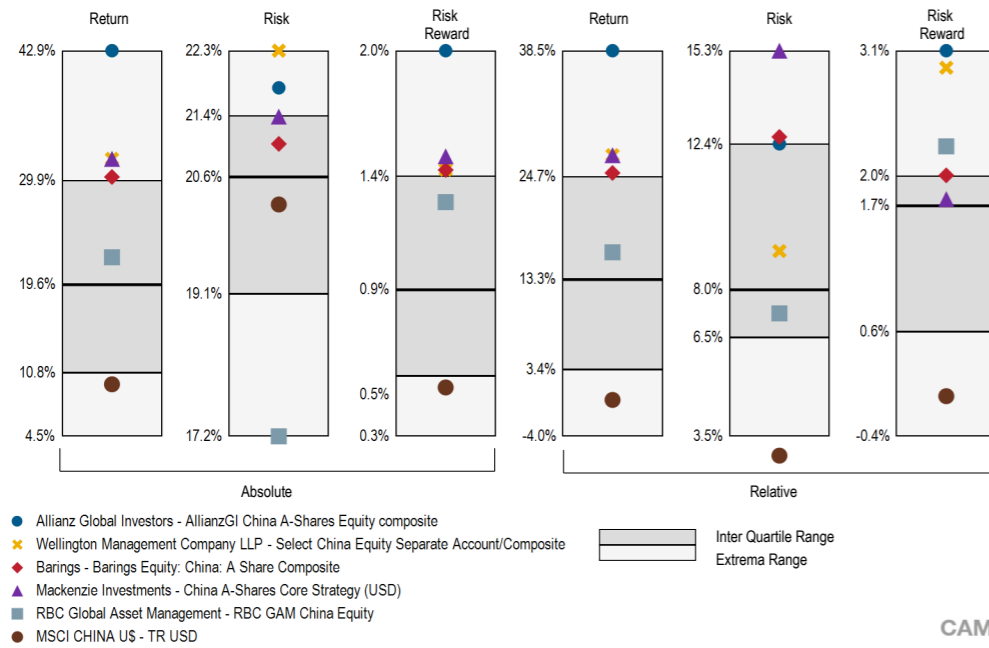
	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Baillie Gifford & Co.	Baillie Gifford Asia ex Japan Composite (USD)	23.70	2.97	1.70	66.67	1.29	0.94	7.97	USD
2	EFG Asset Management Limited	New Capital Asia Future Leaders Fund	18.96	3.56	1.22	69.44	0.80	0.93	5.33	USD
3	Barings	Barings Asia Growth Fund	14.05	2.33	0.92	66.67	0.88	0.89	6.04	USD
4	Fidelity International	Asia Pacific Opportunities	15.15	2.13	0.84	63.89	0.09	0.84	7.11	USD
5	Wellington Management Company LLP	Asia Quality Equity Separate Account/Composite	9.73	2.33	0.38	69.44	0.12	0.84	4.17	USD
6	Value Partners	Asia ex. Japan Equity	8.12	2.09	0.26	72.22	-0.09	0.78	3.89	USD
7	J.P. Morgan Asset Management	JPMorgan Funds - Asia Growth Fund	7.03	1.83	0.18	69.44	-0.49	0.69	3.84	USD
8	Allianz Global Investors	AllianzGI Unconstrained Total Return Asia Equity Composite	9.25	1.25	0.80	55.56	-1.04	0.67	7.40	USD
9	Morgan Stanley Investment Management	Morgan Stanley Investment Funds Asian Equity Fund	6.62	1.27	0.21	63.89	-0.25	0.65	5.20	USD
10	Lombard Odier Investment Managers	Asia High Conviction USD I A	5.27	1.46	0.24	61.11	-0.48	0.65	3.62	USD
11	Columbia Threadneedle Investments EMEA APAC	Threadneedle (Lux) Asian Equity Income Fund (SXASGR)	7.95	1.37	0.57	58.33	-1.33	0.64	5.80	USD
12	T. Rowe Price Group, Inc.	Asia Opportunities Equity Composite	4.43	0.99	0.28	55.56	-0.19	0.60	4.48	USD
13	Fisher Investments Europe Ltd.	FIIG Asia ex Japan SMA (USD)	4.91	0.93	-0.01	63.89	-0.66	0.56	5.29	USD
14	Invesco Ltd.	Invesco Asian Equity Fund	3.55	0.68	0.51	50.00	-1.16	0.51	5.25	USD
15	Franklin Templeton Investments	FTIF - Templeton Asian Growth Fund - I(acc)USD	1.31	0.30	-0.39	63.89	-0.90	0.42	4.33	USD
16	Vontobel Asset Management	Vontobel Fund - mtX Sustainable Asian Leaders (ex Japan)	2.31	0.61	0.15	52.78	-1.05	0.42	3.76	USD
17	BlackRock	BGF Asian Dragon Fund	1.69	0.47	0.03	55.56	-1.39	0.37	3.63	USD
18	Ninety One (previously Investec Asset Management)	Asia ex Japan Equity	0.02	0.00	0.29	44.44	-1.04	0.34	5.61	USD
19	Janus Henderson Investors	Janus Henderson Horizon Asian Growth Fund	-0.17	-0.04	0.32	41.67	-1.84	0.29	4.08	USD
20	AB (AllianceBernstein)	Asia Ex-Japan Equity Portfolio (USD) - S1	0.08	0.01	0.07	50.00	-2.12	0.28	7.76	USD

Selection Criteria - Management Approach: Active Geographical Focus: Asia Ex Japan Asset Type: EQUITY Size: All Cap, Large Cap, Large and Mid Cap, Micro Cap, Mid Cap, N/A

# Chinese Equity (USD)

## Three Year Returns : Chinese Equity (USD)

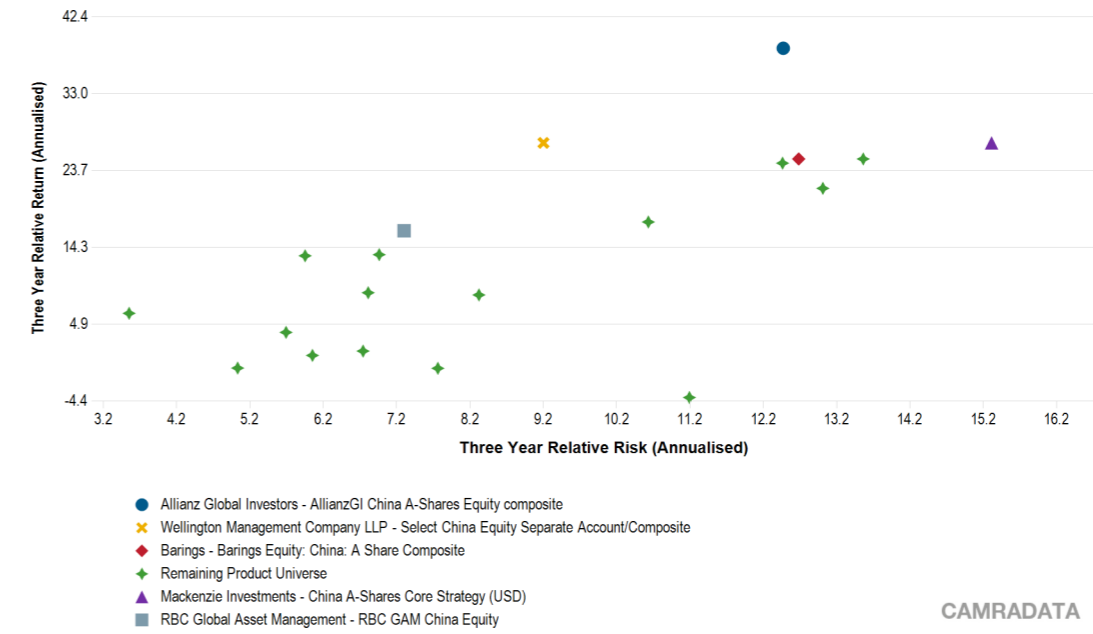
Data 20 products  
Benchmark MSCI CHINA US - TR USD  
Period Three Years to Dec 2021



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## Three Year Relative Risk Return : Chinese Equity (USD)

Data 20 products  
Benchmark MSCI CHINA US - TR USD  
Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: MSCI CHINA US\$ - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Allianz Global Investors	AllianzGI China A-Shares Equity composite	38.54	3.10	2.86	66.67	1.72	0.91	12.44	USD
2	Wellington Management Company LLP	Select China Equity Separate Account/Composite	27.01	2.95	1.83	69.44	1.19	0.88	9.17	USD
3	Barings	Barings Equity: China: A Share Composite	25.05	1.98	1.57	63.89	0.30	0.70	12.65	USD
4	Mackenzie Investments	China A-Shares Core Strategy (USD)	27.01	1.77	2.32	58.33	0.59	0.67	15.28	USD
5	RBC Global Asset Management	RBC GAM China Equity	16.29	2.24	0.43	72.22	-0.22	0.65	7.27	USD
6	abrdn	Aberdeen Standard SICAV I - China A Share Equity Fund	21.47	1.65	0.93	66.67	-0.09	0.60	12.98	USD
7	Value Partners	China A-Shares	25.05	1.85	1.40	63.89	-0.38	0.60	13.53	USD
8	EFG Asset Management Limited	New Capital China Equity Fund	17.37	1.64	1.05	63.89	0.10	0.56	10.60	USD
9	ClariVest Asset Management LLC	ClariVest All-China	6.24	1.77	0.32	63.89	-0.35	0.44	3.52	USD
10	Ninety One (previously Investec Asset Management)	All China Equity Fund (GSF)	8.75	1.29	0.61	58.33	-1.30	0.34	6.78	USD
11	Janus Henderson Investors	Janus Henderson Horizon China Opportunities Fund	3.92	0.69	0.38	52.78	-0.69	0.30	5.66	USD
12	Franklin Templeton Investments	FTIF - Templeton China Fund I (acc) USD	1.11	0.18	-0.33	58.33	-0.85	0.20	6.02	USD
13	Fidelity International	FF China Focus Fund	-4.02	-0.36	1.28	33.33	-3.71	0.17	11.16	USD
14	Invesco Ltd.	Invesco China Focus Equity Fund	-0.46	-0.06	-0.08	50.00	-1.15	0.15	7.73	USD
15	Principal Global Investors	China MPF Equity Composite	-0.43	-0.09	0.16	44.44	-2.90	0.11	5.00	USD

Selection Criteria - Management Approach: Active Geographical Focus: China Asset Type: EQUITY

# Diversified Growth Funds - Cash + 3% to 5% (GBP)

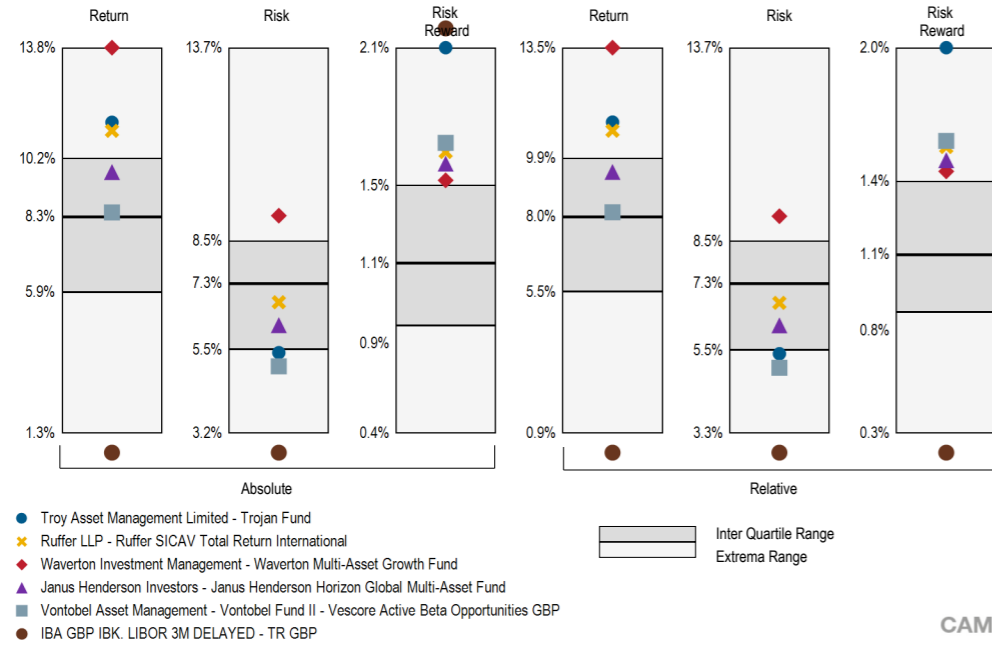
## Three Year Returns :

### Diversified Growth Funds - Cash + 3% to 5% (GBP)

Data 55 products

Benchmark IBA GBP IBK. LIBOR 3M DELAYED - TR GBP

Period Three Years to Dec 2021



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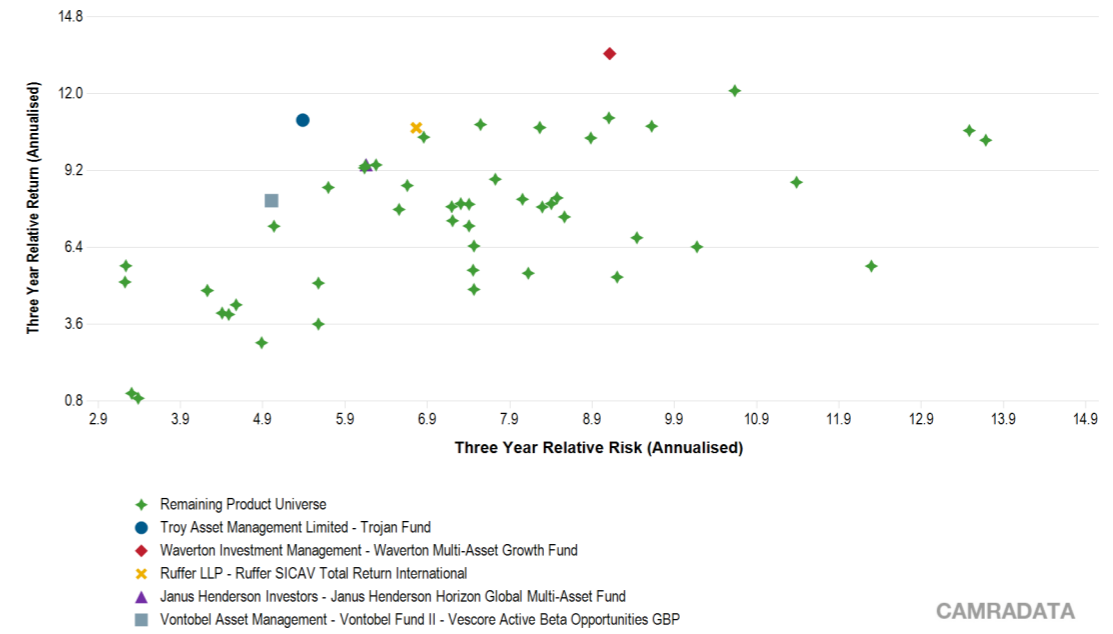
## Three Year Relative Risk Return :

### Diversified Growth Funds - Cash + 3% to 5% (GBP)

Data 55 products

Benchmark IBA GBP IBK. LIBOR 3M DELAYED - TR GBP

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: IBA GBP IBK. LIBOR 3M DELAYED - TR GBP

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Troy Asset Management Limited	Trojan Fund	11.04	2.04	0.13	77.78	0.89	0.81	5.41	GBP
2	Ruffer LLP	Ruffer SICAV Total Return International	10.76	1.58	0.91	63.89	0.49	0.75	6.79	GBP
3	Waverton Investment Management	Waverton Multi-Asset Growth Fund	13.46	1.47	0.78	66.67	-0.16	0.75	9.14	GBP
4	Janus Henderson Investors	Janus Henderson Horizon Global Multi-Asset Fund	9.42	1.52	0.19	75.00	-0.31	0.71	6.18	GBP
5	Vontobel Asset Management	Vontobel Fund II - Vescore Active Beta Opportunities GBP	8.11	1.61	-0.16	77.78	0.53	0.70	5.03	GBP
6	Columbia Threadneedle Investments EMEA APAC	Threadneedle Pensions Multi Asset Fund (TPNMAF)	10.88	1.44	0.29	72.22	-0.41	0.69	7.57	GBP
7	Falcon Money Management Limited	Falcon Money Management Funds RAIF- SICAV (GBP)	5.74	1.76	0.36	72.22	0.01	0.66	3.26	GBP
8	Sanlam Investments UK	Sanlam Multi-Strategy Fund	8.59	1.50	-0.28	77.78	-0.19	0.65	5.72	GBP
9	Lombard Odier Investment Managers	All Roads, Syst. Hdg., (GBP) N A	7.18	1.42	0.35	66.67	0.12	0.61	5.06	GBP
10	AB (AllianceBernstein)	Dynamic Diversified Beta	12.11	1.14	0.51	66.67	-0.70	0.61	10.66	GBP
11	Fulcrum Asset Management LLP	Fulcrum Diversified Growth Strategy	10.77	1.30	-0.54	77.78	-0.57	0.60	8.29	GBP
12	Aegon Asset Management	Aegon Sustainable Diversified Growth	10.39	1.17	-0.83	77.78	-0.50	0.56	8.91	GBP
13	River and Mercantile	ES River and Mercantile Dynamic Asset Allocation Fund	11.12	1.22	-0.54	75.00	-0.69	0.56	9.13	GBP
14	J.P. Morgan Asset Management	JPM Diversified Growth Fund	10.82	1.12	-1.72	83.33	-0.72	0.54	9.65	GBP
15	Legal & General Investment Management	Retirement Income Multi-Asset Fund	7.89	1.09	-0.26	75.00	-0.43	0.50	7.22	GBP
16	Pictet Asset Management	Multi Asset Dynamic Asset Allocation 'GBP' Consolidated	7.98	1.07	-0.55	77.78	-0.64	0.48	7.43	GBP
17	William Blair International, Limited	Dynamic Diversified Allocation (£) GBP-hedged composite returns	5.11	0.91	0.15	63.89	-0.20	0.41	5.60	GBP
18	PineBridge Investments	PineBridge Global Dynamic Asset Allocation Fund Class 'Y2H' Units (UCITS)	10.66	0.79	0.14	63.89	-0.90	0.41	13.51	GBP
19	BlackRock	Market Advantage Strategy Fund (MASF)	8.78	0.77	-0.96	75.00	-0.57	0.40	11.41	GBP
20	Baillie Gifford & Co.	Baillie Gifford Diversified Growth Fund	8.00	0.95	-0.89	77.78	-0.78	0.40	8.43	GBP

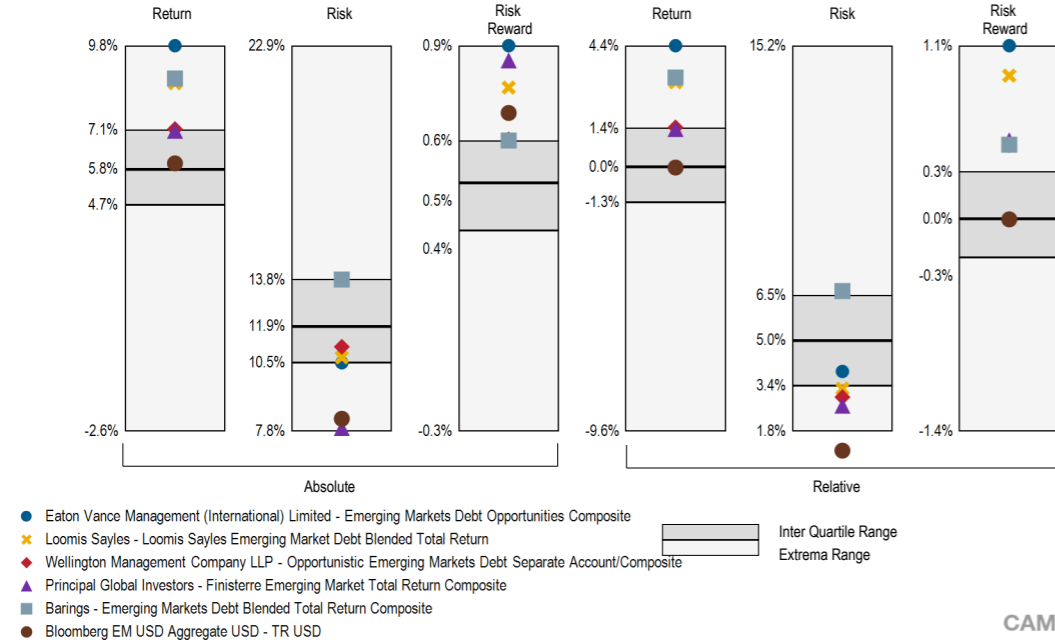
Selection Criteria - Management Approach: Active Geographical Focus: Global Asset Type: MULTI Strategy Type: Cash Plus >3% <5% Style: Diversified Growth

# Emerging Markets Debt - Blend (Broad Bond, Core, etc.) (USD)

## Three Year Returns :

### Emerging Markets Debt - Blend (Broad Bond, Core, etc.) (USD)

Data 33 products  
 Benchmark Bloomberg EM USD Aggregate USD - TR USD  
 Period Three Years to Dec 2021

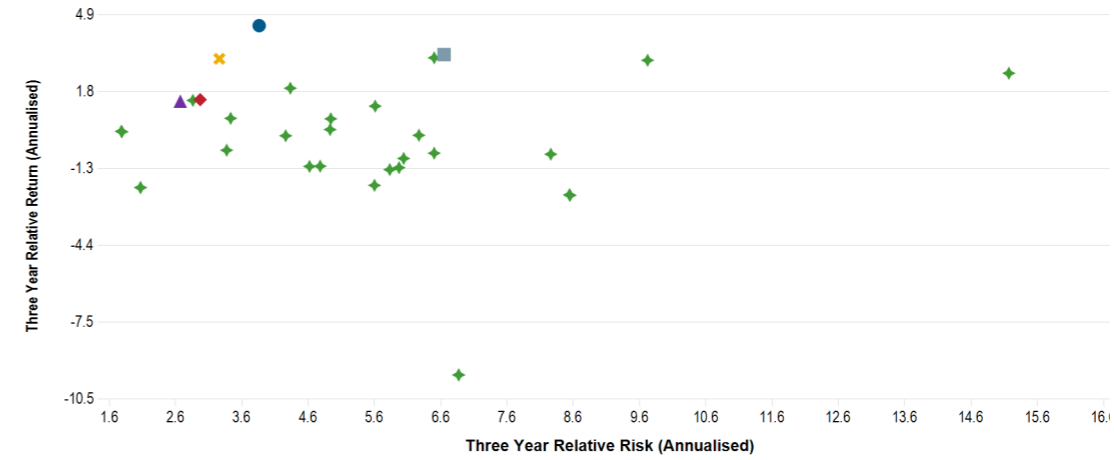


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## Three Year Relative Risk Return :

### Emerging Markets Debt - Blend (Broad Bond, Core, etc.) (USD)

Data 33 products  
 Benchmark Bloomberg EM USD Aggregate USD - TR USD  
 Period Three Years to Dec 2021



Legend for Relative Risk Return chart:  
 ● Eaton Vance Management (International) Limited - Emerging Markets Debt Opportunities Composite  
 ✖ Loomis Sayles - Loomis Sayles Emerging Market Debt Blended Total Return  
 ▲ Principal Global Investors - Finisterre Emerging Market Total Return Composite  
 ◆ Remaining Product Universe  
 ◆ Wellington Management Company LLP - Opportunistic Emerging Markets Debt Separate Account/Composite  
 ■ Barings - Emerging Markets Debt Blended Total Return Composite

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## IQ Scores : - Benchmark: Bloomberg EM USD Aggregate USD - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Eaton Vance Management (International) Limited	Emerging Markets Debt Opportunities Composite	4.43	1.14	0.02	66.67	0.14	0.88	3.89	USD
2	Loomis Sayles	Loomis Sayles Emerging Market Debt Blended Total Return	3.10	0.94	0.10	63.89	-0.57	0.85	3.29	USD
3	Wellington Management Company LLP	Opportunistic Emerging Markets Debt Separate Account/Composite	1.46	0.49	0.12	55.56	-0.56	0.79	3.00	USD
4	Principal Global Investors	Finisterre Emerging Market Total Return Composite	1.40	0.52	0.12	52.78	-0.24	0.76	2.70	USD
5	Barings	Emerging Markets Debt Blended Total Return Composite	3.27	0.49	-0.05	61.11	-1.00	0.71	6.68	USD
6	Union Bancaire Privée, UBP SA	UBAM - Emerging Market Debt Opportunities	1.92	0.44	0.15	55.56	-1.23	0.70	4.36	USD
7	Invesco Ltd.	Invesco Emerging Market Bond composite	1.20	0.21	-0.02	58.33	-0.85	0.68	5.64	USD
8	PGIM Fixed Income	PGIM Fixed Income Emerging Market Debt Blend Plus Composite	2.52	0.17	-0.13	58.33	-0.89	0.67	15.20	USD
9	Payden & Rygel	Payden Global Emerging Markets Bond Fund	0.69	0.14	0.05	52.78	-0.79	0.64	4.97	USD
10	Vontobel Asset Management	Vontobel Fund - Emerging Markets Blend	3.04	0.31	-0.62	66.67	-1.12	0.64	9.75	USD
11	TCW	TCW Emerging Markets Fixed Income Total Return	0.03	0.00	0.00	52.78	-1.01	0.54	6.30	USD
12	Fidelity International	FF Emerging Market Total Return Debt Fund	-0.73	-0.09	0.06	50.00	-1.11	0.51	8.29	USD
13	Franklin Templeton Investments	Franklin Emerging Market Debt Opportunities (USD) Composite	0.26	0.05	-0.98	72.22	-1.48	0.47	4.96	USD
14	Candriam Investors Group	Candriam Sustainable Bonds Emerging Markets	0.19	0.10	-0.01	52.78	-1.61	0.44	1.81	USD
15	Mirabaud Asset Management Ltd	Mirabaud - Global Emerging Market Bond Fund I cap. USD	-1.35	-0.23	0.03	47.22	-0.94	0.43	5.86	USD
16	Allianz Global Investors	AllianzGI Emerging Markets Select Bond composite	-0.57	-0.17	0.05	47.22	-1.43	0.39	3.40	USD
17	PineBridge Investments	PineBridge Global Emerging Markets Bond Fund Class 'Y' Units	-1.21	-0.25	-0.09	50.00	-1.36	0.32	4.81	USD

# Emerging Markets Debt - Corporates (USD)

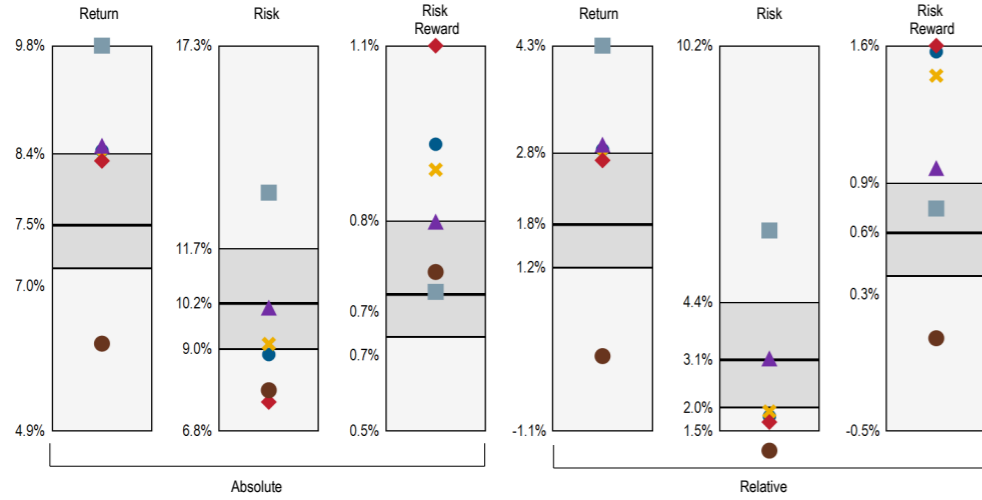
## Three Year Returns :

### Emerging Markets Debt - Corporates (USD)

Data 36 products

Benchmark Bloomberg EM USD Aggregate: Corporate USD - TR USD

Period Three Years to Dec 2021



- Aviva Investors Global Services Limited - Aviva Investors Emerging Market Corporate Bond
- ✖ BlackRock - BGF Emerging Markets Corporate Bond Fund
- ◆ PineBridge Investments - PineBridge Global Emerging Markets Investment Grade Corporate Bond Plus Composite
- ▲ Ninety One (previously Investec Asset Management) - Emerging Markets Corporate Debt Fund (GSF)
- Barings - Barings Emerging Markets Corporate Bond Composite
- Bloomberg EM USD Aggregate: Corporate USD - TR USD

Inter Quartile Range  
Extrema Range

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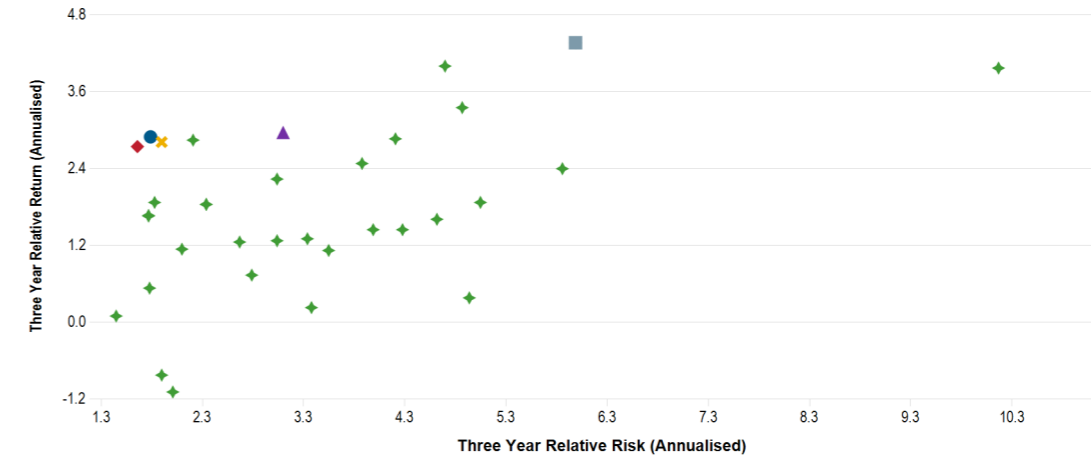
## Three Year Relative Risk Return :

### Emerging Markets Debt - Corporates (USD)

Data 36 products

Benchmark Bloomberg EM USD Aggregate: Corporate USD - TR USD

Period Three Years to Dec 2021



- Aviva Investors Global Services Limited - Aviva Investors Emerging Market Corporate Bond
- ◆ PineBridge Investments - PineBridge Global Emerging Markets Investment Grade Corporate Bond Plus Composite
- ✖ BlackRock - BGF Emerging Markets Corporate Bond Fund
- ◆ Remaining Product Universe
- ▲ Ninety One (previously Investec Asset Management) - Emerging Markets Corporate Debt Fund (GSF)
- Barings - Barings Emerging Markets Corporate Bond Composite

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## IQ Scores : - Benchmark: Bloomberg EM USD Aggregate: Corporate USD - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Aviva Investors Global Services Limited	Aviva Investors Emerging Market Corporate Bond	2.88	1.59	0.21	63.89	0.01	0.77	1.81	USD
2	BlackRock	BGF Emerging Markets Corporate Bond Fund	2.80	1.46	0.06	69.44	0.28	0.77	1.92	USD
3	PineBridge Investments	PineBridge Global Emerging Markets Investment Grade Corporate Bond Plus Composite	2.73	1.63	0.25	58.33	-0.18	0.74	1.68	USD
4	Ninety One (previously Investec Asset Management)	Emerging Markets Corporate Debt Fund (GSF)	2.95	0.95	0.07	63.89	-0.45	0.71	3.12	USD
5	Barings	Barings Emerging Markets Corporate Bond Composite	4.33	0.72	-0.80	77.78	-0.67	0.64	6.01	USD
6	Stone Harbor Investment Partners LP	Stone Harbor Emerging Markets Corporate Debt Fund (UCITS) - M Share USD	4.29	1.01	-0.02	72.22	-1.02	0.64	4.23	USD
7	NN Investment Partners Holdings N.V	NN (L) Emerging Markets Corporate Debt	1.67	0.93	-0.21	77.78	-0.72	0.61	1.79	USD
8	Franklin Templeton Investments	Franklin Emerging Markets Corporate Debt Composite	2.83	1.27	0.25	58.33	-1.10	0.59	2.23	USD
9	Insight Investment	BNY Mellon Emerging Markets Corporate Debt (C0841)	2.39	0.41	-0.43	72.22	-0.59	0.57	5.88	USD
10	PGIM Fixed Income	Emerging Markets Corporate Debt (Composite)	2.85	0.67	-0.51	77.78	-0.91	0.57	4.23	USD
11	AB (AllianceBernstein)	AB Emerging Market Corporate Debt - Composite	3.33	0.68	0.03	63.89	-0.97	0.56	4.89	USD
12	Columbia Threadneedle Investments EMEA APAC	Threadneedle (Lux) Emerging Market Corporate Bond Fund (SXEMLD)	1.84	0.78	0.14	58.33	-0.82	0.56	2.36	USD
13	Fidelity International	Emerging Market Corporate Debt Fund	2.47	0.63	-0.19	69.44	-0.96	0.51	3.90	USD
14	Western Asset Management	Emerging Markets Diversified Composite - (777184)	1.45	0.36	0.25	50.00	-0.55	0.51	4.01	USD
15	J.P. Morgan Asset Management	JPM Emerging Markets Corporate Bond Fund-USD	2.23	0.73	-0.07	66.67	-1.41	0.47	3.06	USD
16	abrdn	Aberdeen Standard SICAV I - Emerging Markets Corporate Bond Fund	1.45	0.34	-0.46	75.00	-0.77	0.46	4.30	USD
17	Vontobel Asset Management	Vontobel Fund - Emerging Markets Corporate Bond	3.94	0.39	-0.93	72.22	-1.11	0.44	10.19	USD
18	Amundi Asset Management	Amundi Funds Emerging Markets Corporate Bond	1.28	0.42	-0.18	66.67	-0.85	0.43	3.06	USD
19	T. Rowe Price Group, Inc.	Emerging Markets Corporate Bond Composite	1.26	0.47	-0.09	66.67	-0.92	0.43	2.69	USD
20	Loomis Sayles	Emerging Markets Corporate Debt	1.31	0.39	-0.39	75.00	-1.00	0.40	3.36	USD

# Emerging Markets Debt - Hard Currency (USD)

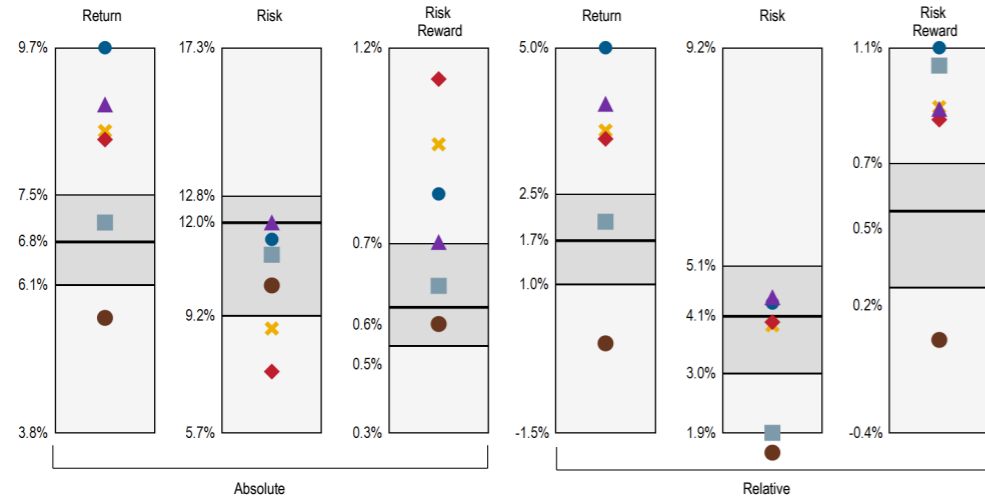
## Three Year Returns :

### Emerging Markets Debt - Hard Currency (USD)

Data 47 products

Benchmark Bloomberg EM USD Aggregate: Sovereign USD - TR USD

Period Three Years to Dec 2021



- Stone Harbor Investment Partners LP - Stone Harbor Emerging Markets Corporate Debt Fund (UCITS) - M Share USD
  - ✕ Aviva Investors Global Services Limited - Aviva Investors Emerging Market Corporate Bond
  - ◆ PineBridge Investments - PineBridge Global Emerging Markets Investment Grade Corporate Bond Plus Composite
  - ▲ AB (AllianceBernstein) - AB Emerging Market Corporate Debt - Composite
  - Pictet Asset Management - Pictet-Global Emerging Debt
  - Bloomberg EM USD Aggregate: Sovereign USD - TR USD
- Inter Quartile Range  
Extrema Range

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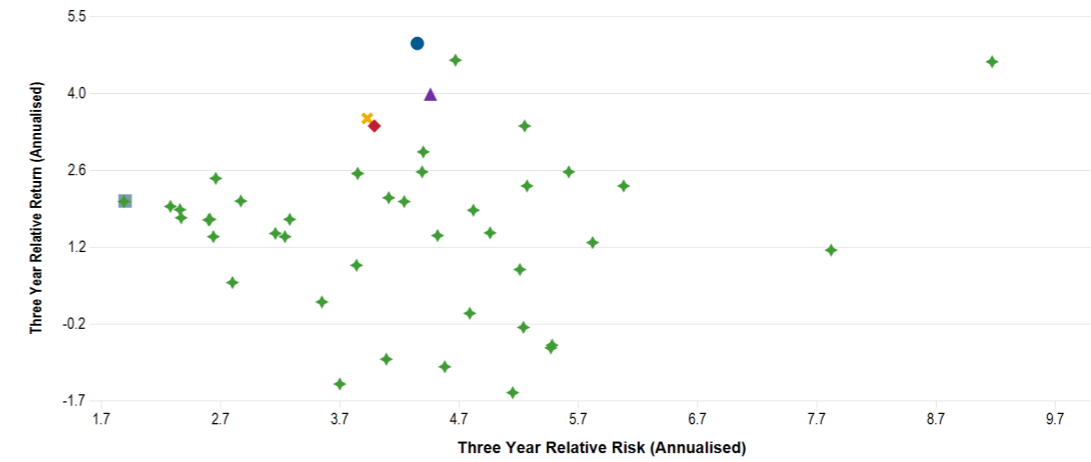
## Three Year Relative Risk Return :

### Emerging Markets Debt - Hard Currency (USD)

Data 47 products

Benchmark Bloomberg EM USD Aggregate: Sovereign USD - TR USD

Period Three Years to Dec 2021



- Stone Harbor Investment Partners LP - Stone Harbor Emerging Markets Corporate Debt Fund (UCITS) - M Share USD
- Pictet Asset Management - Pictet-Global Emerging Debt
- ◆ Remaining Product Universe
- ✕ Aviva Investors Global Services Limited - Aviva Investors Emerging Market Corporate Bond
- ▲ AB (AllianceBernstein) - AB Emerging Market Corporate Debt - Composite
- ◆ PineBridge Investments - PineBridge Global Emerging Markets Investment Grade Corporate Bond Plus Composite

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## IQ Scores : - Benchmark: Bloomberg EM USD Aggregate: Sovereign USD - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Stone Harbor Investment Partners LP	Stone Harbor Emerging Markets Corporate Debt Fund (UCITS) - M Share USD	4.96	1.14	0.13	66.67	-0.49	0.85	4.36	USD
2	Aviva Investors Global Services Limited	Aviva Investors Emerging Market Corporate Bond	3.57	0.91	0.09	61.11	0.31	0.80	3.94	USD
3	PineBridge Investments	PineBridge Global Emerging Markets Investment Grade Corporate Bond Plus Composite	3.43	0.86	0.03	61.11	-0.15	0.73	4.00	USD
4	AB (AllianceBernstein)	AB Emerging Market Corporate Debt - Composite	4.02	0.90	0.09	63.89	-0.65	0.72	4.47	USD
5	Pictet Asset Management	Pictet-Global Emerging Debt	2.04	1.07	0.07	63.89	-0.41	0.72	1.91	USD
6	Payden & Rygel	Emerging Markets USD Benchmark Composite	2.46	0.92	-0.07	69.44	-0.53	0.70	2.67	USD
7	Columbia Threadneedle Investments EMEA APAC	Threadneedle (Lux) Emerging Market Corporate Bond Fund (SXEMLD)	2.55	0.66	0.45	47.22	0.11	0.67	3.86	USD
8	J.P. Morgan Asset Management	JPM Emerging Markets Investment Grade - Global-Composite	2.95	0.67	0.38	50.00	-0.52	0.65	4.41	USD
9	Franklin Templeton Investments	Franklin Emerging Markets Debt Opportunities Hard Currency Composite	1.94	0.85	0.00	63.89	-0.37	0.63	2.29	USD
10	AXA Investment Managers	AXA WF Global Emerging Markets Bonds	2.04	0.71	0.00	63.89	-0.53	0.62	2.88	USD
11	Allianz Global Investors	AllianzGI Emerging Markets Sovereign Bond composite	1.73	0.73	-0.01	63.89	-0.31	0.59	2.38	USD
12	Loomis Sayles	Emerging Markets Corporate Debt	2.03	0.48	0.10	55.56	-0.45	0.58	4.25	USD
13	EFG Asset Management Limited	New Capital Wealthy Nations Bond Fund	3.43	0.65	0.08	58.33	-0.97	0.58	5.26	USD
14	Ninety One (previously Investec Asset Management)	Emerging Markets Hard Currency Debt Fund (GSF)	2.10	0.51	0.02	61.11	-0.66	0.56	4.12	USD
15	Manulife Investment Management (Europe) Limited	Manulife Emerging Markets Debt Fund	1.38	0.52	0.00	61.11	-0.42	0.52	2.65	USD
16	Vontobel Asset Management	Vontobel Fund - Emerging Markets Corporate Bond	4.62	0.50	-0.33	66.67	-1.04	0.50	9.18	USD
17	Fidelity International	FF Emerging Market Debt (Hard Currency)	2.32	0.38	-0.08	63.89	-0.93	0.47	6.09	USD
18	PGIM Fixed Income	Emerging Market Debt (Composite)	1.45	0.29	-0.21	66.67	-0.87	0.46	4.97	USD
19	Amundi Asset Management	Amundi Funds Emerging Markets Hard Currency Bond (USD)	1.38	0.42	-0.26	69.44	-0.85	0.44	3.25	USD
20	NN Investment Partners Holdings N.V	NN (L) Emerging Markets Debt (Hard Currency) - I Cap	1.70	0.65	-0.03	63.89	-1.02	0.44	2.62	USD

# Emerging Markets Debt - Local Currency (USD)

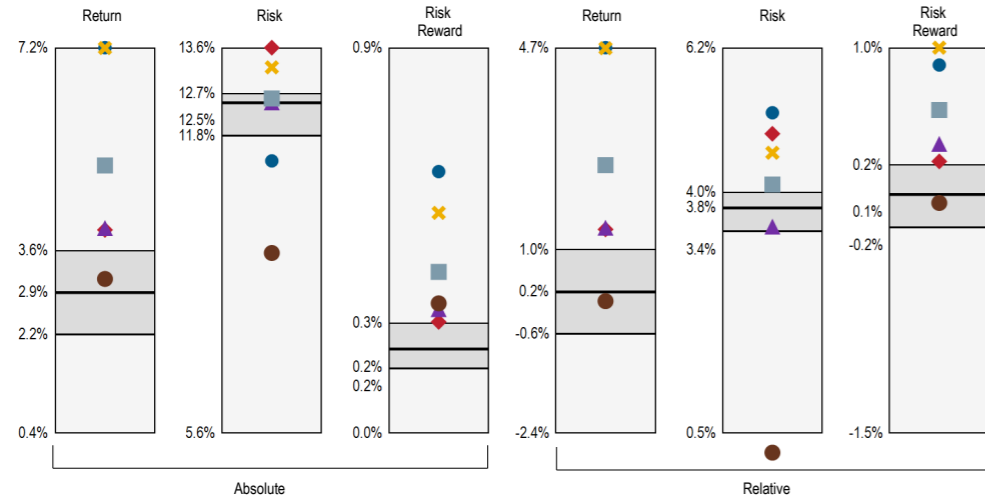
## Three Year Returns :

### Emerging Markets Debt - Local Currency (USD)

Data 45 products

Benchmark Bloomberg EM Local Currency Government 10% Country Cap USD - TR USD

Period Three Years to Dec 2021



- Morgan Stanley Investment Management - Emerging Markets Debt
- ✕ Eaton Vance Management (International) Limited - EVI (IRL) Emerging Markets Local Income Fund
- ◆ MFS Investment Management - MFS Emerging Markets Local Currency Debt
- ▲ Ninety One (previously Investec Asset Management) - Emerging Markets Local Currency Dynamic Debt Fund (LLC)
- Baillie Gifford & Co. - Baillie Gifford Emerging Markets Local Currency Bonds Composite (USD)
- Bloomberg EM Local Currency Government 10% Country Cap USD - TR USD

Inter Quartile Range  
Extrema Range

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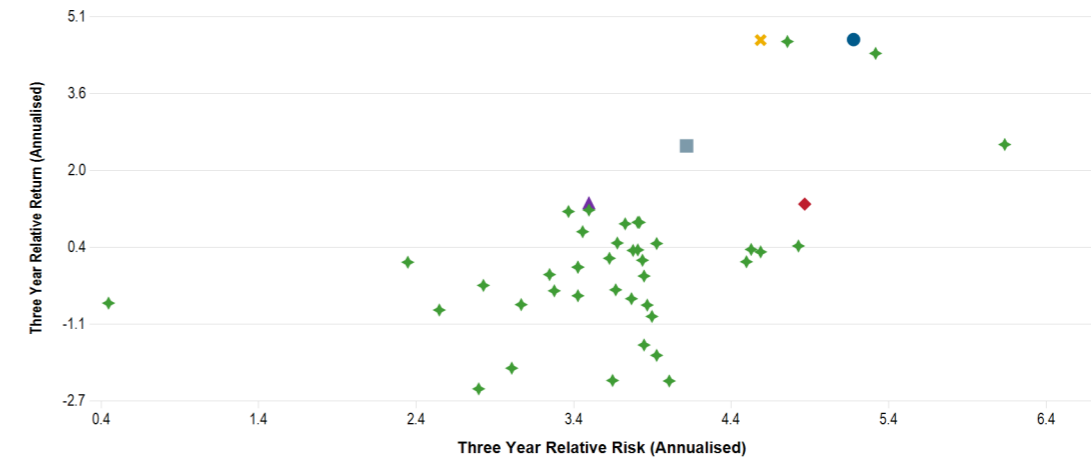
## Three Year Relative Risk Return :

### Emerging Markets Debt - Local Currency (USD)

Data 45 products

Benchmark Bloomberg EM Local Currency Government 10% Country Cap USD - TR USD

Period Three Years to Dec 2021



- ✕ Eaton Vance Management (International) Limited - EVI (IRL) Emerging Markets Local Income Fund
- ◆ Remaining Product Universe
- Morgan Stanley Investment Management - Emerging Markets Debt
- Baillie Gifford & Co. - Baillie Gifford Emerging Markets Local Currency Bonds Composite (USD)
- ▲ Ninety One (previously Investec Asset Management) - Emerging Markets Local Currency Dynamic Debt Fund (LLC)
- ◆ MFS Investment Management - MFS Emerging Markets Local Currency Debt

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## IQ Scores : - Benchmark: Bloomberg EM Local Currency Government 10% Country Cap USD - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Morgan Stanley Investment Management	Emerging Markets Debt	4.66	0.90	0.10	63.89	-0.66	0.87	5.19	USD
2	Eaton Vance Management (International) Limited	EVI (IRL) Emerging Markets Local Income Fund	4.65	1.01	-0.02	72.22	0.04	0.83	4.60	USD
3	MFS Investment Management	MFS Emerging Markets Local Currency Debt	1.32	0.27	0.11	55.56	-0.58	0.81	4.88	USD
4	Ninety One (previously Investec Asset Management)	Emerging Markets Local Currency Dynamic Debt Fund (LLC)	1.35	0.38	0.19	52.78	-0.62	0.80	3.51	USD
5	Baillie Gifford & Co.	Baillie Gifford Emerging Markets Local Currency Bonds Composite (USD)	2.50	0.61	0.01	63.89	-0.67	0.78	4.13	USD
6	Pictet Asset Management	Emerging Debt 'Local Currency' Consolidated	0.95	0.25	0.11	52.78	-0.82	0.67	3.82	USD
7	abrdn	Emerging Market Local Currency Debt Fund	0.76	0.22	0.03	55.56	-0.77	0.66	3.47	USD
8	T. Rowe Price Group, Inc.	Emerging Markets Local Currency Bond Composite	0.53	0.14	0.06	52.78	-0.74	0.63	3.69	USD
9	Payden & Rygel	Emerging Markets Local Composite	0.52	0.13	0.06	52.78	-0.80	0.60	3.94	USD
10	Vontobel Asset Management	Vontobel Fund - Sustainable Emerging Markets Local Currency Bond	1.17	0.35	0.00	58.33	-1.12	0.60	3.38	USD
11	PGIM Fixed Income	Emerging Market Debt Local Composite	0.40	0.09	-0.14	58.33	-0.71	0.57	4.54	USD
12	Fidelity International	FF Emerging Market Local Currency Debt	0.47	0.10	0.35	44.44	-0.94	0.55	4.84	USD
13	Wellington Management Company LLP	Emerging Local Debt Separate Account/Composite	0.18	0.05	0.09	50.00	-0.78	0.54	3.85	USD
14	Colchester Global Investors Limited	The Colchester Local Markets Bond Fund	0.35	0.08	-0.19	58.33	-0.74	0.54	4.60	USD
15	Stone Harbor Investment Partners LP	Stone Harbor Emerging Markets Local Currency Debt Fund (UCITS) - I Share USD	0.22	0.06	0.01	52.78	-0.79	0.50	3.64	USD
16	Invesco Ltd.	Emerging Markets Local Bond Separate Account	0.39	0.10	0.03	52.78	-1.01	0.50	3.82	USD
17	TCW	TCW Emerging Markets Local Currency Income	-0.42	-0.11	0.08	47.22	-0.76	0.48	3.68	USD
18	Mondrian Investment Partners Limited	Mondrian Emerging Markets Debt Local Currency Composite	-0.11	-0.03	0.03	50.00	-0.78	0.46	3.26	USD
19	NN Investment Partners Holdings N.V	NN (L) Emerging Markets Debt (Local Bond)	-0.33	-0.12	0.13	44.44	-0.82	0.45	2.84	USD
20	BlackRock	BGF Emerging Markets Local Currency Bond Fund	0.15	0.03	-0.09	55.56	-0.97	0.42	4.51	USD

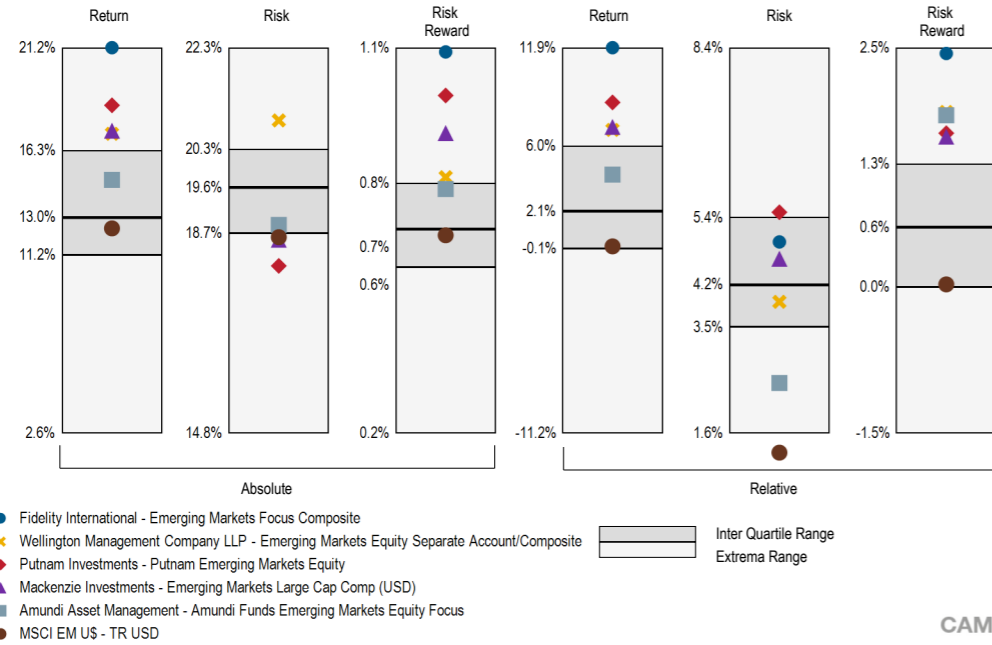


# Emerging Markets Equity - Core (USD)

## Three Year Returns :

### Emerging Markets Equity - Core (USD)

Data 80 products  
 Benchmark MSCI EM US - TR USD  
 Period Three Years to Dec 2021

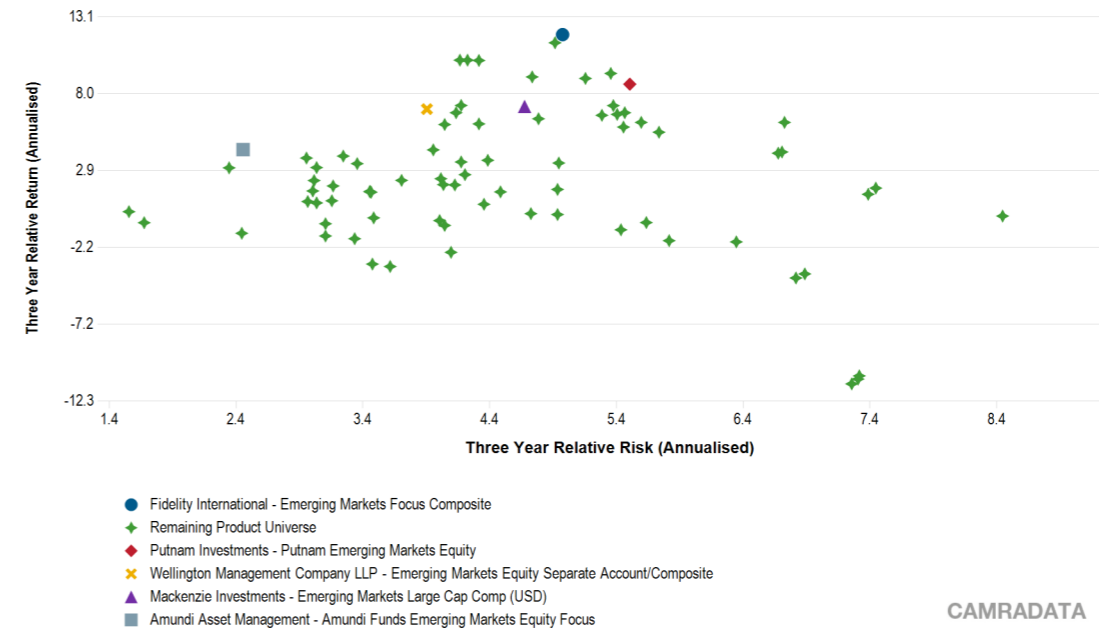


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## Three Year Relative Risk Return :

### Emerging Markets Equity - Core (USD)

Data 80 products  
 Benchmark MSCI EM US - TR USD  
 Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: MSCI EM US - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Fidelity International	Emerging Markets Focus Composite	11.91	2.40	0.64	66.67	0.71	0.94	4.97	USD
2	Wellington Management Company LLP	Emerging Markets Equity Separate Account/Composite	6.98	1.79	0.34	66.67	0.62	0.87	3.90	USD
3	Putnam Investments	Putnam Emerging Markets Equity	8.63	1.57	0.26	66.67	-0.48	0.81	5.50	USD
4	Mackenzie Investments	Emerging Markets Large Cap Comp (USD)	7.16	1.53	0.40	61.11	-0.06	0.80	4.67	USD
5	Amundi Asset Management	Amundi Funds Emerging Markets Equity Focus	4.30	1.76	0.24	63.89	0.49	0.79	2.45	USD
6	PineBridge Investments	PineBridge Global Emerging Markets Focus Equity Composite	6.63	1.23	0.34	63.89	-0.62	0.77	5.40	USD
7	BlackRock	BGF Emerging Markets Fund	6.00	1.39	0.18	63.89	0.19	0.76	4.31	USD
8	Nordea Asset Management	Emerging Stars Equity Composite (USD)	9.11	1.93	0.50	63.89	-1.53	0.76	4.73	USD
9	Manulife Investment Management (Europe) Limited	Emerging Markets Equity	7.22	1.73	0.22	69.44	-1.15	0.75	4.17	USD
10	Invesco Ltd.	Invesco Emerging Markets Equity Fund	6.10	1.09	0.30	61.11	-0.79	0.72	5.59	USD
11	Principal Global Investors	Emerging Global Leaders Equity Composite	5.96	1.48	0.51	55.56	-0.69	0.71	4.04	USD
12	Columbia Threadneedle Investments EMEA APAC	Threadneedle (Lux) Global Emerging Markets Equity Fund (SXGEME)	9.34	1.75	-0.19	75.00	-1.07	0.69	5.35	USD
13	abrdn	Emerging Markets Focused Equity Fund	4.28	1.08	-0.19	69.44	-0.34	0.64	3.95	USD
14	William Blair International, Limited	Emerging Markets Leaders Composite in USD (\$) (primary listing for strategy)	6.57	1.24	-0.07	69.44	-1.12	0.63	5.28	USD
15	Federated Hermes, Inc.	Federated Hermes Int'l Global Emerging Market Equity Composite	3.87	1.19	0.23	58.33	-1.00	0.63	3.24	USD
16	Franklin Templeton Investments	Templeton Emerging Markets Equity Composite	3.48	0.83	0.28	55.56	-0.75	0.61	4.17	USD
17	Allianz Global Investors	AllianzGI Emerging Markets Systematic	2.64	0.63	0.16	55.56	0.00	0.59	4.20	USD
18	J.P. Morgan Asset Management	JPM GEM Diversified-Composite	2.25	0.75	0.11	55.56	-0.59	0.56	3.01	USD
19	Victory Capital Management Inc.	Sophus Emerging Markets Composite	0.91	0.29	-0.42	69.44	-0.30	0.49	3.15	USD
20	Coronation Fund Managers Limited	Coronation Global Emerging Markets Equity Fund	4.14	0.62	0.73	47.22	-3.22	0.48	6.70	USD

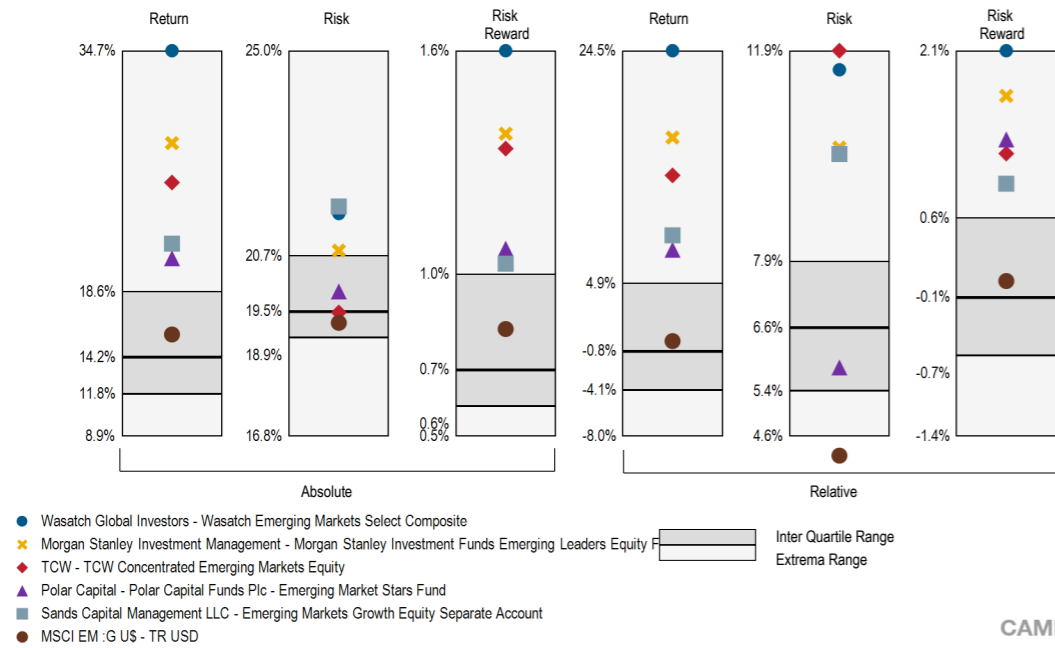
Selection Criteria - Management Approach: Active Geographical Focus: Emerging Markets Asset Type: EQUITY Style: Core, No Predominant Style Size: All Cap, Large Cap, Large and Mid Cap, Mid Cap, N/A

# Emerging Markets Equity - Growth (USD)

## Three Year Returns :

### Emerging Markets Equity - Growth (USD)

Data 30 products  
 Benchmark MSCI EM :G US\$ - TR USD  
 Period Three Years to Dec 2021

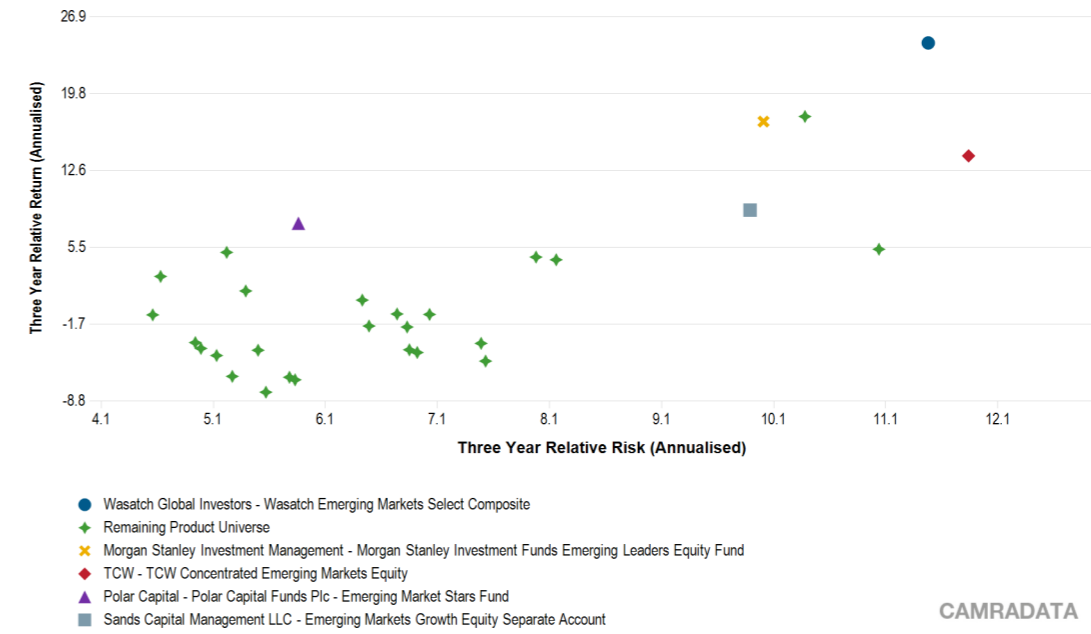


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## Three Year Relative Risk Return :

### Emerging Markets Equity - Growth (USD)

Data 30 products  
 Benchmark MSCI EM :G US\$ - TR USD  
 Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: MSCI EM :G US\$ - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Wasatch Global Investors	Wasatch Emerging Markets Select Composite	24.45	2.12	1.07	66.67	-0.28	0.94	11.51	USD
2	Morgan Stanley Investment Management	Morgan Stanley Investment Funds Emerging Leaders Equity Fund	17.14	1.71	0.67	63.89	0.01	0.90	10.04	USD
3	TCW	TCW Concentrated Emerging Markets Equity	13.95	1.18	0.31	61.11	-0.78	0.83	11.87	USD
4	Polar Capital	Polar Capital Funds Plc - Emerging Market Stars Fund	7.69	1.31	0.08	63.89	-0.11	0.81	5.89	USD
5	Sands Capital Management LLC	Emerging Markets Growth Equity Separate Account	8.91	0.90	0.53	55.56	-0.35	0.79	9.92	USD
6	Baillie Gifford & Co.	Baillie Gifford Emerging Markets Leading Companies Composite (USD)	4.98	0.95	0.24	58.33	-0.91	0.77	5.25	USD
7	Redwheel	RWC Funds - RWC Global Emerging Markets Fund	5.27	0.48	1.34	44.44	-1.74	0.65	11.07	USD
8	GQG Partners LLC	GQG Partners Emerging Markets Total Composite	4.54	0.57	0.06	55.56	-1.55	0.64	8.01	USD
9	AB (AllianceBernstein)	AB Emerging Markets Growth Composite	0.54	0.08	0.08	50.00	-1.17	0.59	6.46	USD
10	J.P. Morgan Asset Management	JPM GEM Focused-Composite	2.74	0.59	0.67	41.67	-2.24	0.57	4.66	USD
11	Baron Capital	Baron Emerging Markets Strategy Composite	-0.75	-0.11	0.12	47.22	-1.31	0.56	6.77	USD
12	American Century Investments	Emerging Markets Composite	-0.83	-0.18	-0.21	52.78	-2.43	0.45	4.59	USD
13	Van Eck Associates Corporation	Emerging Markets Equity Composite	-4.33	-0.62	-0.43	50.00	-1.44	0.37	6.95	USD
14	Walter Scott & Partners Limited	Emerging Markets Composite	-3.48	-0.46	-0.58	52.78	-2.92	0.35	7.52	USD
15	Invesco Ltd.	Emerging Markets Equity	-4.08	-0.59	0.02	41.67	-2.96	0.32	6.88	USD
16	Barings	Barings Global Emerging Markets Fund (USD)	-4.12	-0.75	-0.43	50.00	-2.10	0.30	5.53	USD
17	T. Rowe Price Group, Inc.	Emerging Markets Equity Composite	-4.61	-0.89	-0.08	41.67	-4.86	0.19	5.16	USD
18	Vontobel Asset Management	Vontobel Fund - Emerging Markets Equity USD	-6.63	-1.14	-0.14	38.89	-5.34	0.14	5.81	USD

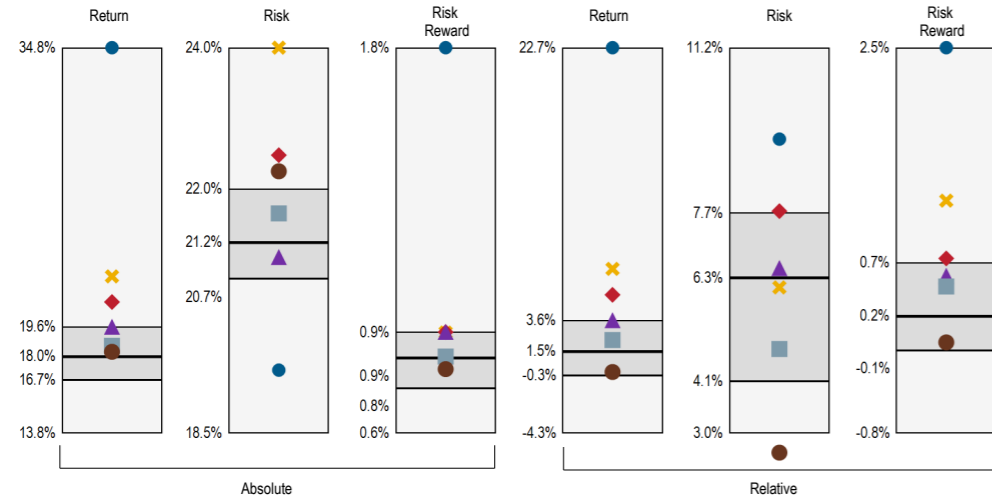
Selection Criteria - Management Approach: Active Geographical Focus: Emerging Markets Asset Type: EQUITY Style: Growth Size: All Cap, Large Cap, Large and Mid Cap, Mid Cap, N/A

# Emerging Markets Equity - Small Cap (USD)

## Three Year Returns :

### Emerging Markets Equity - Small Cap (USD)

Data 14 products  
 Benchmark MSCI EM :S US\$ - TR USD  
 Period Three Years to Dec 2021



● Wasatch Global Investors - Wasatch Emerging Markets Small Cap Composite  
 ✖ Mackenzie Investments - Emerging Markets Small Cap Comp (USD)  
 ◆ Fisher Investments Europe Ltd. - FIIG Emerging Markets Small Cap ESG SMA (USD)  
 ▲ abrdn - Aberdeen Standard SICAV I - Emerging Markets Smaller Companies Fund  
 ■ Wellington Management Company LLP - Emerging Markets Small Cap Systematic Equity Separate Account/Composite  
 ● MSCI EM :S US\$ - TR USD

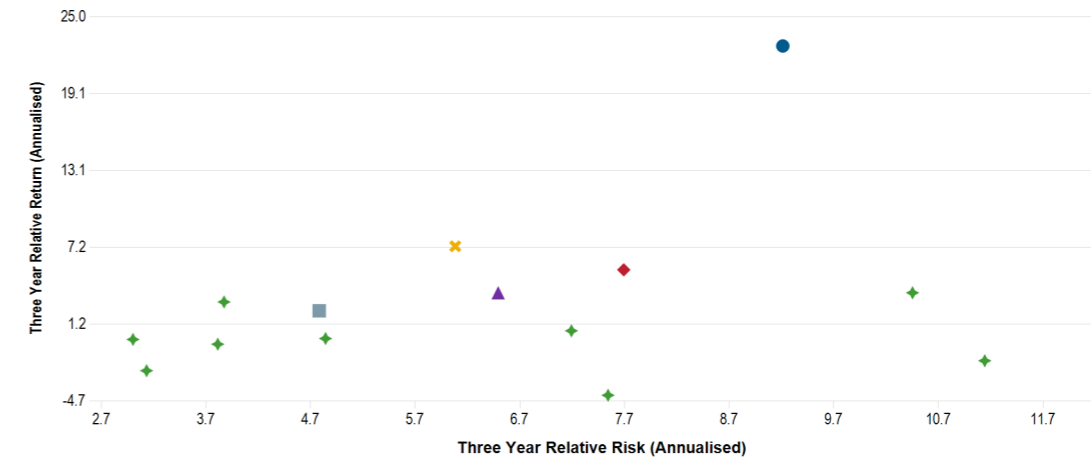
Inter Quartile Range  
 Extrema Range

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## Three Year Relative Risk Return :

### Emerging Markets Equity - Small Cap (USD)

Data 14 products  
 Benchmark MSCI EM :S US\$ - TR USD  
 Period Three Years to Dec 2021



● Wasatch Global Investors - Wasatch Emerging Markets Small Cap Composite  
 ✖ Mackenzie Investments - Emerging Markets Small Cap Comp (USD)  
 ◆ Remaining Product Universe  
 ◆ Fisher Investments Europe Ltd. - FIIG Emerging Markets Small Cap ESG SMA (USD)  
 ■ Wellington Management Company LLP - Emerging Markets Small Cap Systematic Equity Separate Account/Composite  
 ▲ abrdn - Aberdeen Standard SICAV I - Emerging Markets Smaller Companies Fund

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## IQ Scores : - Benchmark: MSCI EM :S US\$ - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Wasatch Global Investors	Wasatch Emerging Markets Small Cap Composite	22.73	2.46	0.52	69.44	-0.66	0.91	9.24	USD
2	Mackenzie Investments	Emerging Markets Small Cap Comp (USD)	7.23	1.18	0.52	55.56	0.02	0.83	6.11	USD
3	Fisher Investments Europe Ltd.	FIIG Emerging Markets Small Cap ESG SMA (USD)	5.41	0.70	-0.25	61.11	-0.96	0.65	7.72	USD
4	abrdn	Aberdeen Standard SICAV I - Emerging Markets Smaller Companies Fund	3.63	0.56	-0.51	63.89	-0.86	0.63	6.52	USD
5	Wellington Management Company LLP	Emerging Markets Small Cap Systematic Equity Separate Account/Composite	2.24	0.47	0.09	52.78	-1.14	0.55	4.81	USD
6	Fidelity International	FIAM Emerging Markets Equity Small Cap Composite	2.92	0.75	-0.05	58.33	-2.97	0.52	3.90	USD
7	Kayne Anderson Rudnick	Emerging Markets Small Cap	3.63	0.35	0.24	50.00	-2.39	0.48	10.48	USD
8	Victory Capital Management Inc.	Sophus Emerging Markets Small Cap Composite	0.09	0.02	0.17	47.22	-1.43	0.45	4.87	USD
9	PGIM Quantitative Solutions LLC	PGIM Quantitative Solutions Emerging Markets Small Cap Equity	-0.35	-0.09	-0.33	58.33	-0.89	0.41	3.84	USD
10	State Street Global Advisors Limited	Active Emerging Markets Small Cap Composite	0.02	0.01	-0.03	50.00	-1.38	0.40	3.03	USD
11	Aviva Investors Global Services Limited	Aviva Investors Emerging Markets Equity Small Cap	0.69	0.10	-0.33	55.56	-1.66	0.40	7.22	USD
12	Franklin Templeton Investments	FTIF-Templeton Emerging Markets Smaller Companies Fund I (ACC) EUR	-1.63	-0.15	0.37	44.44	-1.68	0.33	11.17	USD
13	Dimensional Fund Advisors	Emerging Markets Small Cap Equity Composite	-2.40	-0.76	-0.10	44.44	-2.05	0.19	3.16	USD

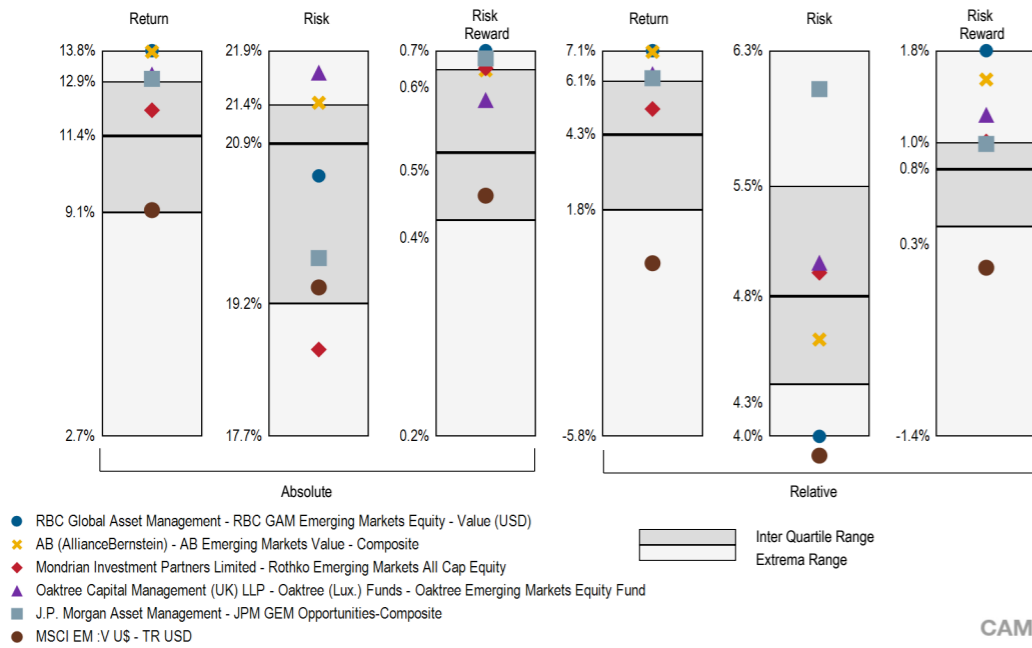
Selection Criteria - Management Approach: Active, Hedge, Passive Geographical Focus: Emerging Markets Asset Type: EQUITY Size: Small Cap

# Emerging Markets Equity - Value (USD)

## Three Year Returns :

### Emerging Markets Equity - Value (USD)

Data 15 products  
 Benchmark MSCI EM :V US\$ - TR USD  
 Period Three Years to Dec 2021



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## Three Year Relative Risk Return :

### Emerging Markets Equity - Value (USD)

Data 15 products  
 Benchmark MSCI EM :V US\$ - TR USD  
 Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: MSCI EM :V US\$ - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	RBC Global Asset Management	RBC GAM Emerging Markets Equity - Value (USD)	7.11	1.80	0.08	72.22	-0.03	0.84	3.95	USD
2	AB (AllianceBernstein)	AB Emerging Markets Value - Composite	7.07	1.56	0.53	61.11	-0.33	0.81	4.53	USD
3	Mondrian Investment Partners Limited	Rothko Emerging Markets All Cap Equity	5.16	1.05	0.20	61.11	-0.55	0.63	4.93	USD
4	Oaktree Capital Management (UK) LLP	Oaktree (Lux.) Funds - Oaktree Emerging Markets Equity Fund	6.33	1.27	0.41	61.11	-1.92	0.61	4.99	USD
5	J.P. Morgan Asset Management	JPM GEM Opportunities-Composite	6.19	1.03	-0.04	63.89	-1.27	0.60	6.03	USD
6	T. Rowe Price Group, Inc.	Emerging Markets Discovery Equity Composite	3.39	0.82	0.41	52.78	-0.37	0.55	4.13	USD
7	SKAGEN Funds	SKAGEN Kon-Tiki A	4.32	0.78	0.08	61.11	-1.21	0.50	5.57	USD
8	Dimensional Fund Advisors	Emerging Markets All Cap Value Equity Composite	1.55	0.35	-0.13	61.11	-1.44	0.35	4.37	USD
9	NN Investment Partners Holdings N.V	NN Emerging Markets High Dividend Equity	2.01	0.33	-0.37	61.11	-2.07	0.25	6.13	USD
10	Nordea Asset Management	Stable Emerging Markets Equity Composite (USD)	-4.72	-1.12	-0.38	41.67	-2.31	0.11	4.21	USD

Selection Criteria - Management Approach: Active Geographical Focus: Emerging Markets Asset Type: EQUITY Style: Value Size: All Cap, Large Cap, Large and Mid Cap, Mid Cap, N/A

# European Broad Bond (EUR)

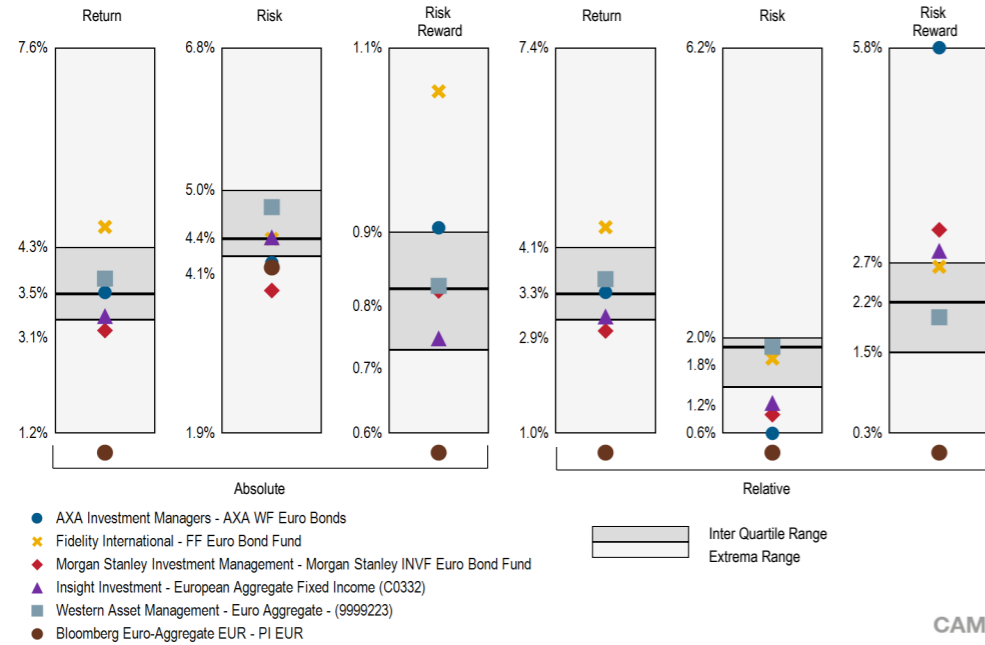
## Three Year Returns :

### European Broad Bond (EUR)

Data 12 products

Benchmark Bloomberg Euro-Aggregate EUR - PI EUR

Period Three Years to Dec 2021



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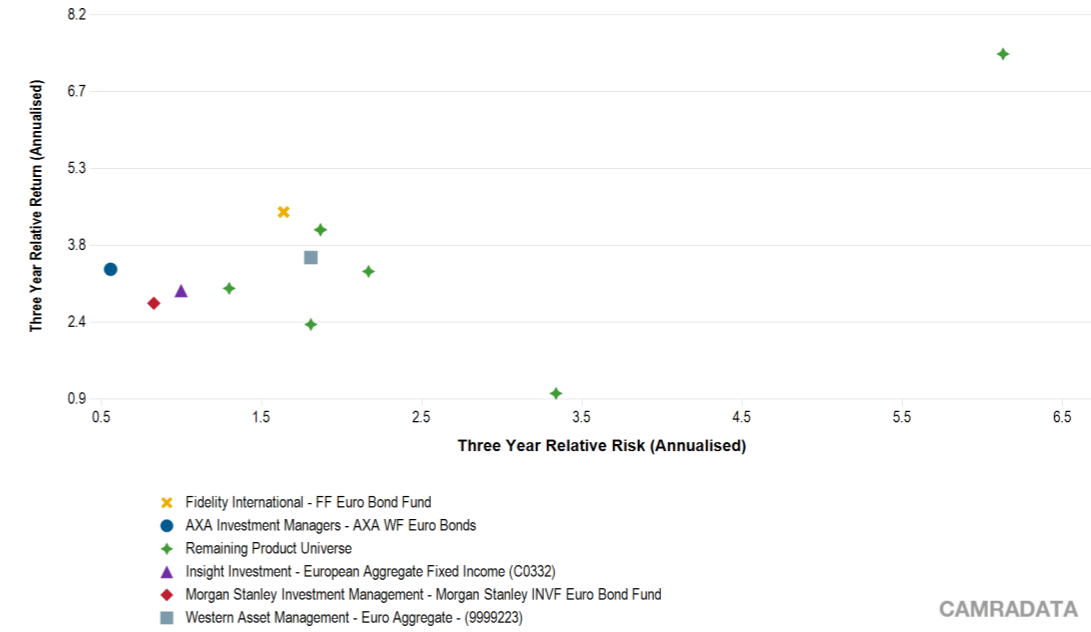
## Three Year Relative Risk Return :

### European Broad Bond (EUR)

Data 12 products

Benchmark Bloomberg Euro-Aggregate EUR - PI EUR

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: Bloomberg Euro-Aggregate EUR - PI EUR

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	AXA Investment Managers	AXA WF Euro Bonds	3.36	5.79	0.25	94.44	4.30	0.82	0.58	EUR
2	Fidelity International	FF Euro Bond Fund	4.44	2.67	0.41	75.00	2.21	0.72	1.66	EUR
3	Morgan Stanley Investment Management	Morgan Stanley INV Euro Bond Fund	2.72	3.20	0.15	83.33	2.06	0.62	0.85	EUR
4	Insight Investment	European Aggregate Fixed Income (C0332)	2.96	2.90	0.05	86.11	1.61	0.55	1.02	EUR
5	Western Asset Management	Euro Aggregate - (9999223)	3.58	1.96	0.10	77.78	0.54	0.49	1.83	EUR
6	J.P. Morgan Asset Management	JPM Euro Aggregate Bond Fund	3.00	2.27	0.00	86.11	0.30	0.46	1.32	EUR
7	Amundi Asset Management	Amundi Funds Euro Aggregate Bond	3.32	1.52	-0.28	86.11	-0.06	0.34	2.19	EUR
8	Columbia Threadneedle Investments EMEA APAC	Threadneedle (Lux) European Social Bond Fund (SXESBF)	2.32	1.27	0.10	66.67	-0.36	0.28	1.83	EUR
9	Franklin Templeton Investments	Franklin Euro Short Duration Bond Composite	1.02	0.30	-0.03	55.56	-1.16	0.12	3.36	EUR

Selection Criteria - Management Approach: Active Geographical Focus: European Asset Type: BOND Strategy Type: Broad Bond, Core Style: Absolute Return, Income, Index Linked, N/A

# European Corporate Debt (EUR)

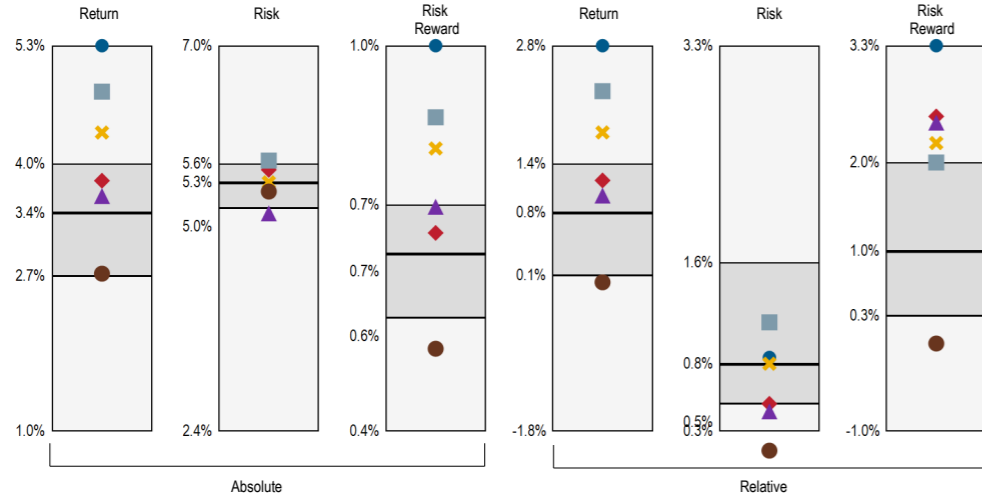
## Three Year Returns :

### European Corporate Debt (EUR)

Data 25 products

Benchmark Bloomberg Euro-Aggregate: Corporates EUR - TR EUR

Period Three Years to Dec 2021



- MFS Investment Management - MFS Euro Credit Fixed Income
- ✕ M&G Investments - M&G European Credit Investment Fund
- ◆ PGIM Fixed Income - PGIM Fixed Income European Corporate Unhedged Composite
- ▲ Legal & General Investment Management - Euro Corporate Fixed Income Composite (Active) (GIPS composite)
- Invesco Ltd. - Invesco Euro Corporate Bond Fund
- Bloomberg Euro-Aggregate: Corporates EUR - TR EUR

Inter Quartile Range  
Extrema Range

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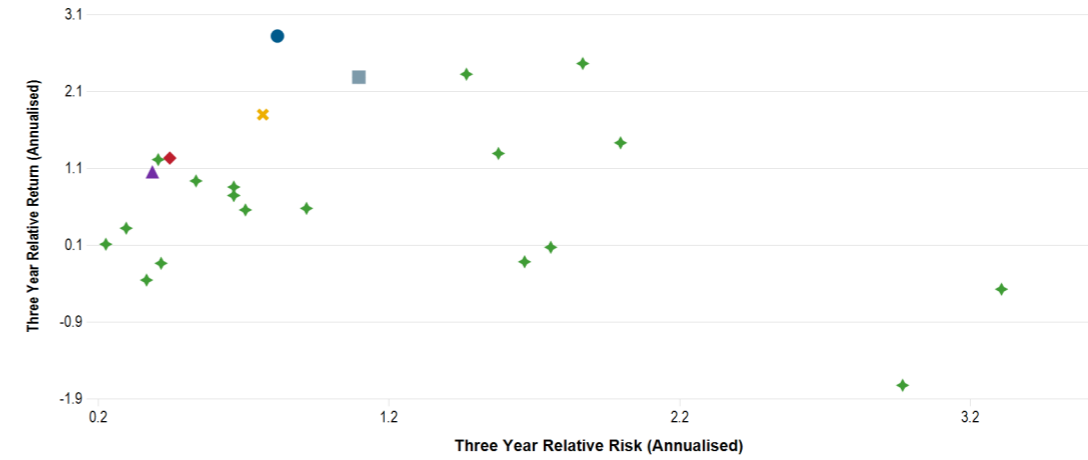
## Three Year Relative Risk Return :

### European Corporate Debt (EUR)

Data 25 products

Benchmark Bloomberg Euro-Aggregate: Corporates EUR - TR EUR

Period Three Years to Dec 2021



- MFS Investment Management - MFS Euro Credit Fixed Income
- ◆ Remaining Product Universe
- Invesco Ltd. - Invesco Euro Corporate Bond Fund
- ✕ M&G Investments - M&G European Credit Investment Fund
- ◆ PGIM Fixed Income - PGIM Fixed Income European Corporate Unhedged Composite
- ▲ Legal & General Investment Management - Euro Corporate Fixed Income Composite (Active) (GIPS composite)

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## IQ Scores : - Benchmark: Bloomberg Euro-Aggregate: Corporates EUR - TR EUR

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	MFS Investment Management	MFS Euro Credit Fixed Income	2.81	3.31	0.14	83.33	1.91	0.95	0.85	EUR
2	M&G Investments	M&G European Credit Investment Fund	1.78	2.23	0.10	80.56	0.75	0.79	0.80	EUR
3	PGIM Fixed Income	PGIM Fixed Income European Corporate Unhedged Composite	1.21	2.52	0.09	77.78	1.69	0.78	0.48	EUR
4	Legal & General Investment Management	Euro Corporate Fixed Income Composite (Active) (GIPS composite)	1.03	2.45	0.07	80.56	2.11	0.78	0.42	EUR
5	Invesco Ltd.	Invesco Euro Corporate Bond Fund	2.27	2.01	0.13	69.44	0.90	0.75	1.13	EUR
6	Columbia Threadneedle Investments EMEA APAC	Threadneedle (Lux) European Corporate Bond (SXE CBD)	1.19	2.70	0.09	72.22	0.84	0.72	0.44	EUR
7	Fidelity International	Fidelity Funds European Corporate Bond Fund	2.31	1.54	0.13	72.22	-0.81	0.66	1.50	EUR
8	Allianz Global Investors	AllianzGI Euro Credit SRI composite	2.45	1.29	-0.01	77.78	0.12	0.62	1.90	EUR
9	Insight Investment	Responsible Horizons Euro corporate bond strategy	0.91	1.60	0.05	72.22	0.51	0.62	0.57	EUR
10	Franklin Templeton Investments	FTIF Franklin European Corporate Bond Fund I(acc) EUR	0.72	1.03	0.05	61.11	0.38	0.49	0.70	EUR
11	Amundi Asset Management	Amundi Credit Euro	1.27	0.79	-0.04	72.22	-0.44	0.45	1.61	EUR
12	Vontobel Asset Management	Vontobel Fund - EURO Corporate Bond	1.41	0.69	-0.04	69.44	-0.09	0.44	2.03	EUR
13	AXA Investment Managers	AXA WF Euro Sustainable Credit IG	0.53	0.72	0.06	52.78	0.18	0.42	0.74	EUR
14	Nordea Asset Management	European Corporate Bond Composite	0.29	0.88	0.02	58.33	-0.27	0.38	0.33	EUR
15	T. Rowe Price Group, Inc.	T. Rowe Price Funds SICAV - Responsible Euro Corporate Bond Fund	0.55	0.58	0.07	52.78	-0.37	0.38	0.95	EUR
16	ACTIAM N.V.	ACTIAM Sustainable Euro Credits	0.08	0.31	0.01	52.78	-1.18	0.26	0.26	EUR
17	abrdn	European Corporate Bond Fund	0.04	0.02	-0.13	63.89	-0.96	0.25	1.79	EUR
18	Union Bancaire Privée, UBP SA	UBAM - Euro Corporate IG Solution	-0.51	-0.15	0.13	38.89	-2.57	0.25	3.34	EUR
19	Wellington Management Company LLP	Euro Credit Separate Account/Composite	-0.15	-0.09	0.03	44.44	-1.49	0.21	1.70	EUR

Selection Criteria - Management Approach: Active Geographical Focus: European Asset Type: BOND Strategy Type: Corporate Style: Absolute Return, Income, Index Linked, N/A

# European High Yield (EUR)

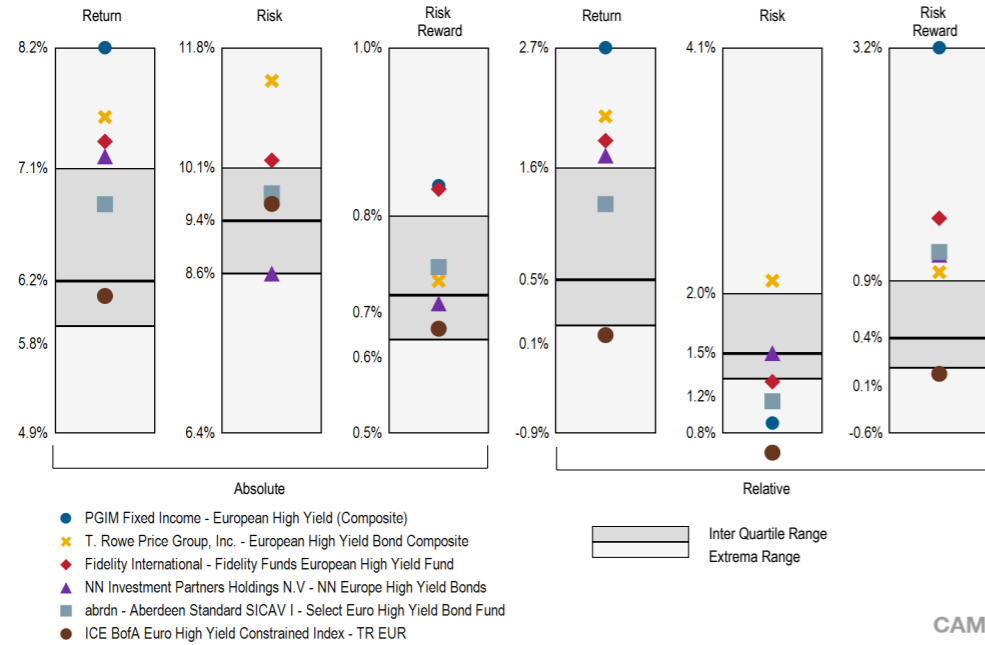
## Three Year Returns :

### European High Yield (EUR)

Data 22 products

Benchmark ICE BofA Euro High Yield Constrained Index - TR EUR

Period Three Years to Dec 2021



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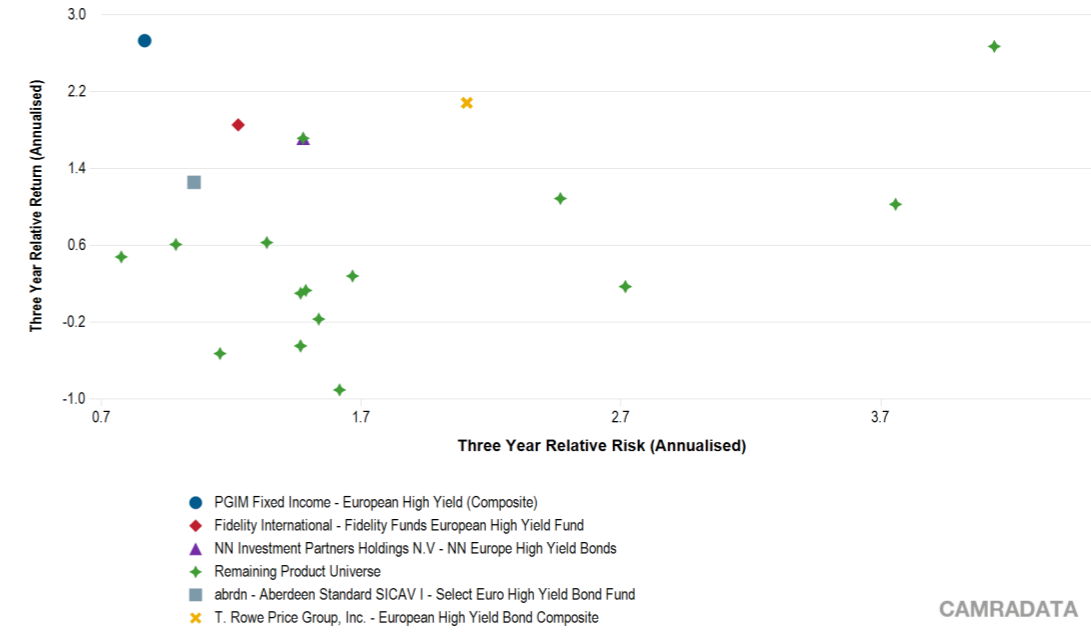
## Three Year Relative Risk Return :

### European High Yield (EUR)

Data 22 products

Benchmark ICE BofA Euro High Yield Constrained Index - TR EUR

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: ICE BofA Euro High Yield Constrained Index - TR EUR

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	PGIM Fixed Income	European High Yield (Composite)	2.72	3.16	0.15	80.56	1.52	0.92	0.86	EUR
2	T. Rowe Price Group, Inc.	European High Yield Bond Composite	2.07	0.99	0.10	63.89	-0.36	0.75	2.10	EUR
3	Fidelity International	Fidelity Funds European High Yield Fund	1.84	1.51	-0.03	75.00	0.18	0.75	1.22	EUR
4	NN Investment Partners Holdings N.V	NN Europe High Yield Bonds	1.70	1.16	0.14	58.33	-1.01	0.72	1.47	EUR
5	abrdn	Aberdeen Standard SICAV I - Select Euro High Yield Bond Fund	1.24	1.18	0.04	63.89	-0.55	0.70	1.05	EUR
6	AB (AllianceBernstein)	AB Euro High Yield - Composite	1.07	0.43	0.11	55.56	-0.72	0.62	2.46	EUR
7	J.P. Morgan Asset Management	JPM European High Yield Bond Fund- EUR	2.66	0.64	0.66	38.89	-2.09	0.62	4.13	EUR
8	Janus Henderson Investors	Janus Henderson Horizon Euro High Yield Bond Fund	0.59	0.60	0.02	58.33	-0.30	0.61	0.98	EUR
9	M&G Investments	M&G European High Yield Credit Investment Fund	0.46	0.60	0.06	50.00	-1.25	0.53	0.77	EUR
10	Candriam Investors Group	Candriam Bonds Euro High Yield	1.01	0.27	0.26	41.67	-2.51	0.46	3.75	EUR
11	Putnam Investments	Putnam European High Yield Composite	0.61	0.46	0.03	55.56	-2.27	0.44	1.33	EUR
12	Barings	Barings European High Yield Bond Fund	0.26	0.16	-0.15	63.89	-1.98	0.41	1.66	EUR
13	Western Asset Management	Pan-European High Yield - (999164)	-0.19	-0.12	0.02	47.22	-1.45	0.37	1.53	EUR
14	Kempen Capital Management	Kempen (Lux) Euro High Yield Fund I	0.15	0.06	0.27	33.33	-2.14	0.33	2.71	EUR
15	Columbia Threadneedle Investments EMEA APAC	Threadneedle High Yield Bonds - Euro Hedged (11803) EUR	0.11	0.07	0.12	36.11	-2.72	0.33	1.48	EUR
16	Baillie Gifford & Co.	Baillie Gifford High Yield Bond Composite (EUR)	-0.55	-0.48	-0.08	50.00	-1.72	0.27	1.15	EUR
17	Franklin Templeton Investments	Franklin European High Yield Composite	-0.47	-0.32	-0.03	44.44	-1.75	0.24	1.46	EUR
18	AXA Investment Managers	AXA WF European High Yield Bonds	-0.93	-0.58	-0.09	47.22	-1.31	0.23	1.61	EUR

Selection Criteria - Management Approach: Active Geographical Focus: European Asset Type: BOND Strategy Type: Asset / Mortgage Backed, Broad Bond, Corporate, Convertible, Distressed Debt, Government, Gov/Corp, Gov/Corp > 50, Gov/Corp < 50, Money Market, Municipals - Taxable, TIPS, Sovereigns, Core, Duration, Municipals - Tax-Preferred Style: High Yield

# European Inc. UK Equity - Large Cap (EUR)

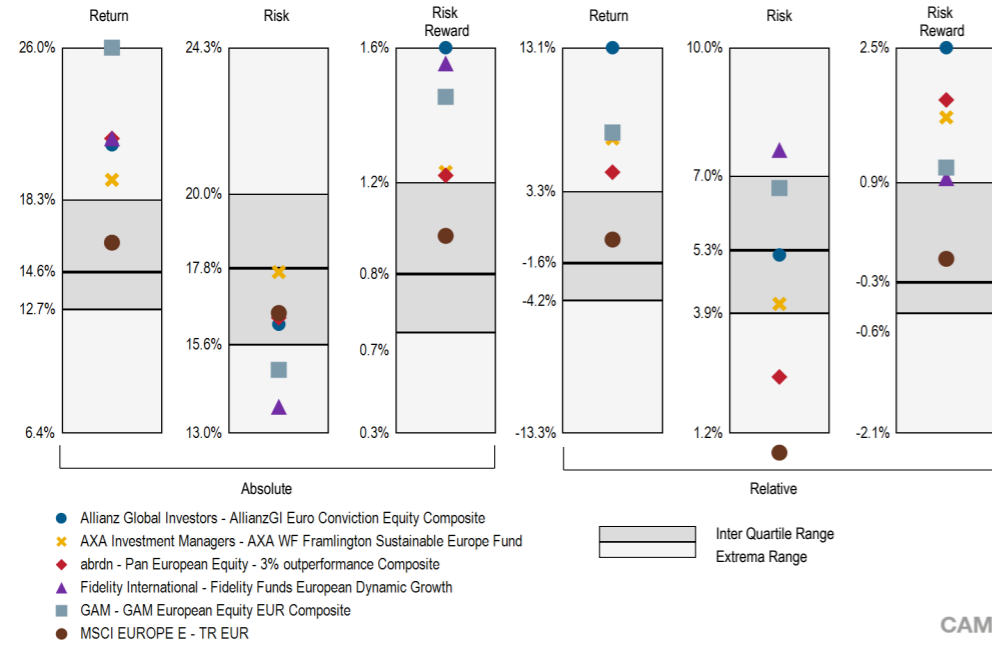
## Three Year Returns :

### European Inc. UK Equity - Large Cap (EUR)

Data 27 products

Benchmark MSCI EUROPE E - TR EUR

Period Three Years to Dec 2021



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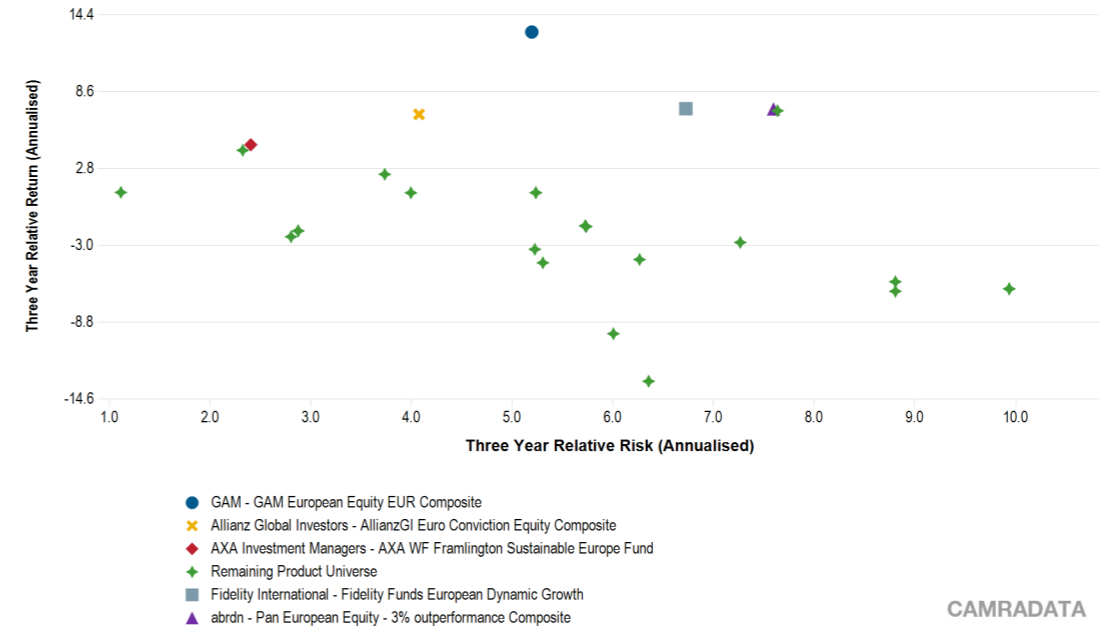
## Three Year Relative Risk Return :

### European Inc. UK Equity - Large Cap (EUR)

Data 27 products

Benchmark MSCI EUROPE E - TR EUR

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: MSCI EUROPE E - TR EUR

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	<b>GAM</b>	GAM European Equity EUR Composite	13.13	2.51	0.41	69.44	-0.24	0.94	5.23	EUR
2	<b>Allianz Global Investors</b>	AllianzGI Euro Conviction Equity Composite	6.91	1.68	0.42	61.11	-0.22	0.89	4.11	EUR
3	<b>AXA Investment Managers</b>	AXA WF Framlington Sustainable Europe Fund	4.61	1.89	0.25	61.11	-0.61	0.82	2.44	EUR
4	<b>abrdn</b>	Pan European Equity - 3% outperformance Composite	7.32	0.96	-0.06	61.11	-1.21	0.69	7.63	EUR
5	<b>Fidelity International</b>	Fidelity Funds European Dynamic Growth	7.33	1.08	0.41	55.56	-1.81	0.69	6.76	EUR
6	<b>Nordea Asset Management</b>	European Equities Beta + Composite	1.01	0.88	-0.02	61.11	-1.11	0.65	1.15	EUR
7	<b>NN Investment Partners Holdings N.V</b>	NN Euro High Dividend Equity	0.99	0.19	0.22	50.00	-0.95	0.61	5.27	EUR
8	<b>Federated Hermes, Inc.</b>	Federated Hermes European Equity Composite (Euro)	0.98	0.24	0.05	52.78	-1.13	0.61	4.03	EUR
9	<b>AB (AllianceBernstein)</b>	AB European Value Composite	-3.29	-0.63	-0.02	44.44	-1.13	0.46	5.26	EUR
10	<b>Amundi Asset Management</b>	Amundi Funds European Equity Conservative	-1.58	-0.27	0.31	38.89	-1.62	0.41	5.77	EUR
11	<b>Mackenzie Investments</b>	European Concentrated Quality Growth EUR	-2.77	-0.38	0.68	33.33	-3.84	0.36	7.30	EUR
12	<b>Invesco Ltd.</b>	European Low Volatility Composite	-4.06	-0.64	-0.17	44.44	-1.22	0.33	6.30	EUR
13	<b>State Street Global Advisors Limited</b>	State Street Europe Value Spotlight Fund	-6.27	-0.63	-0.42	50.00	-1.39	0.30	9.97	EUR
14	<b>Dimensional Fund Advisors</b>	Europe Large Cap Value Equity Composite	-5.74	-0.65	-0.60	52.78	-1.75	0.29	8.84	EUR
15	<b>Franklin Templeton Investments</b>	FTIF - Templeton European Dividend Fund - I (acc) EUR	-13.26	-2.08	-0.25	30.56	-1.82	0.09	6.39	EUR

Selection Criteria - Management Approach: Active, Hedge, Passive Geographical Focus: European Inc. UK Asset Type: EQUITY Size: Large Cap



# European Inc. UK Equity - All Cap (EUR)

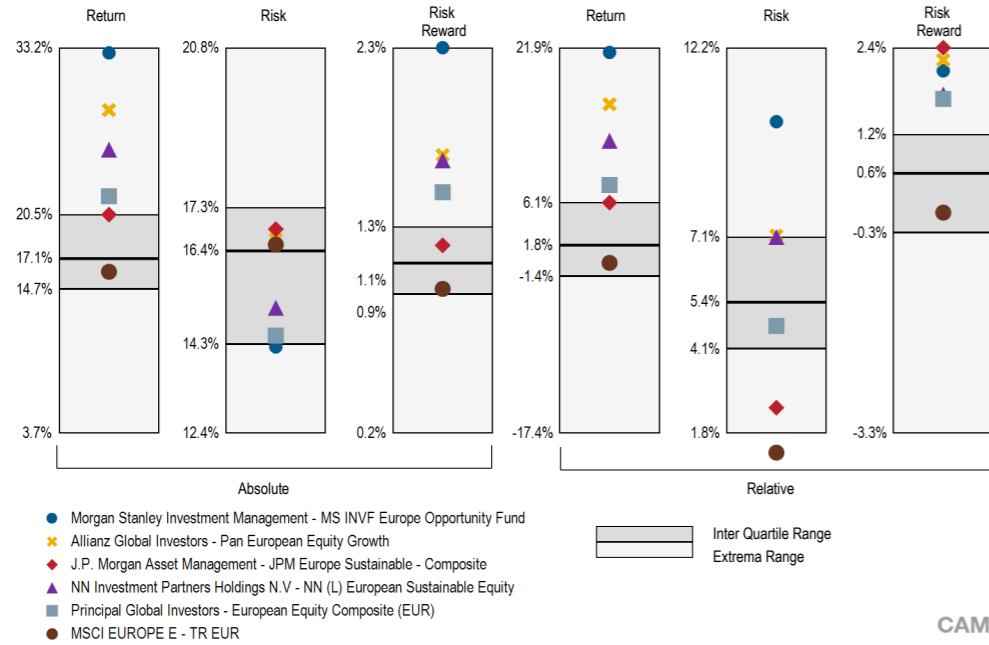
## Three Year Returns :

European Inc. UK Equity - All Cap (EUR)

Data 39 products

Benchmark MSCI EUROPE E - TR EUR

Period Three Years to Dec 2021



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## Three Year Relative Risk Return :

European Inc. UK Equity - All Cap (EUR)

Data 39 products

Benchmark MSCI EUROPE E - TR EUR

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: MSCI EUROPE E - TR EUR

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Morgan Stanley Investment Management	MS INV F Europe Opportunity Fund	21.45	2.10	0.34	69.44	-0.08	0.91	10.20	EUR
2	Allianz Global Investors	Pan European Equity Growth	16.16	2.26	0.13	72.22	0.08	0.91	7.14	EUR
3	J.P. Morgan Asset Management	JPM Europe Sustainable - Composite	6.14	2.45	0.37	63.89	0.37	0.87	2.51	EUR
4	NN Investment Partners Holdings N.V	NN (L) European Sustainable Equity	12.44	1.75	0.04	69.44	-0.54	0.80	7.10	EUR
5	Principal Global Investors	European Equity Composite (EUR)	7.94	1.69	0.10	66.67	-0.13	0.78	4.71	EUR
6	Baillie Gifford & Co.	Baillie Gifford Pan-Europe Composite (EUR)	13.06	1.22	0.13	63.89	-0.66	0.76	10.70	EUR
7	Wellington Management Company LLP	Strategic European Equity Separate Account/Composite	3.83	1.09	0.14	58.33	-0.56	0.68	3.51	EUR
8	Vontobel Asset Management	Vontobel Fund - European Equity	5.40	0.86	0.51	50.00	-0.89	0.67	6.31	EUR
9	Mirova	Mirova Impact Es Actions Europe (C) EUR	6.15	1.65	0.05	66.67	-1.32	0.65	3.72	EUR
10	Union Bancaire Privée, UBP SA	UBAM - Positive Impact Equity	8.44	1.00	0.04	61.11	-1.11	0.63	8.43	EUR
11	MFS Investment Management	MFS European Value - Segregated	5.43	1.06	0.03	61.11	-0.93	0.62	5.13	EUR
12	T. Rowe Price Group, Inc.	Europe Equity Composite (Euro)	4.57	1.10	-0.18	66.67	-0.70	0.60	4.15	EUR
13	Lombard Odier Investment Managers	LO Funds - Europe High Conviction EUR IA	2.73	0.51	0.11	52.78	-1.70	0.50	5.36	EUR
14	abrdn	European Equities Fund	0.42	0.10	0.26	44.44	-0.96	0.50	4.11	EUR
15	Candriam Investors Group	Candriam Equities L Europe Optimum Quality	-0.52	-0.08	0.17	44.44	-1.77	0.38	6.42	EUR
16	Banque de Luxembourg Investments S.A.	BL-Equities Europe B	0.65	0.07	-0.02	50.00	-1.26	0.37	9.05	EUR
17	EFG Asset Management Limited	New Capital Dynamic European Equity Fund	-0.02	0.00	-0.05	50.00	-1.29	0.35	4.29	EUR
18	Eric Sturdza Investments	Strategic Europe Quality Fund	-3.75	-0.51	0.03	41.67	-2.65	0.24	7.29	EUR
19	Unigestion SA	Uni-Global - Equities Europe (EUR)	-8.52	-1.35	0.03	30.56	-1.99	0.20	6.29	EUR
20	Kempen Capital Management	Kempen European High Dividend Fund N.V. N	-7.73	-1.44	-0.08	36.11	-2.00	0.15	5.36	EUR

Selection Criteria - Management Approach: Active Geographical Focus: European Inc. UK Asset Type: EQUITY Size: All Cap

# European Inc. UK Equity - Core (EUR)

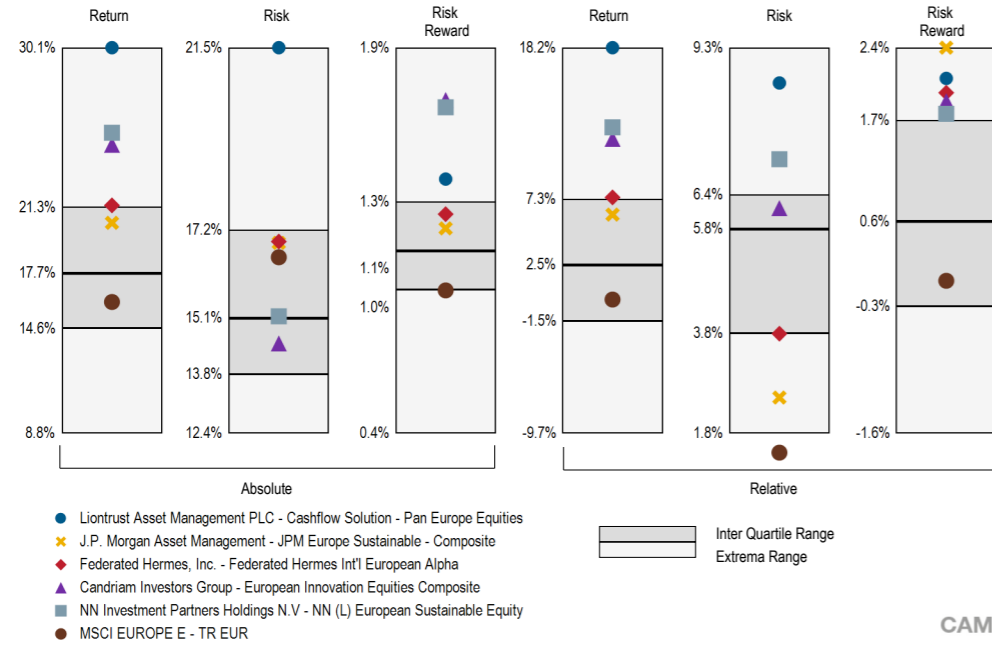
## Three Year Returns :

European Inc. UK Equity - Core (EUR)

Data 35 products

Benchmark MSCI EUROPE E - TR EUR

Period Three Years to Dec 2021



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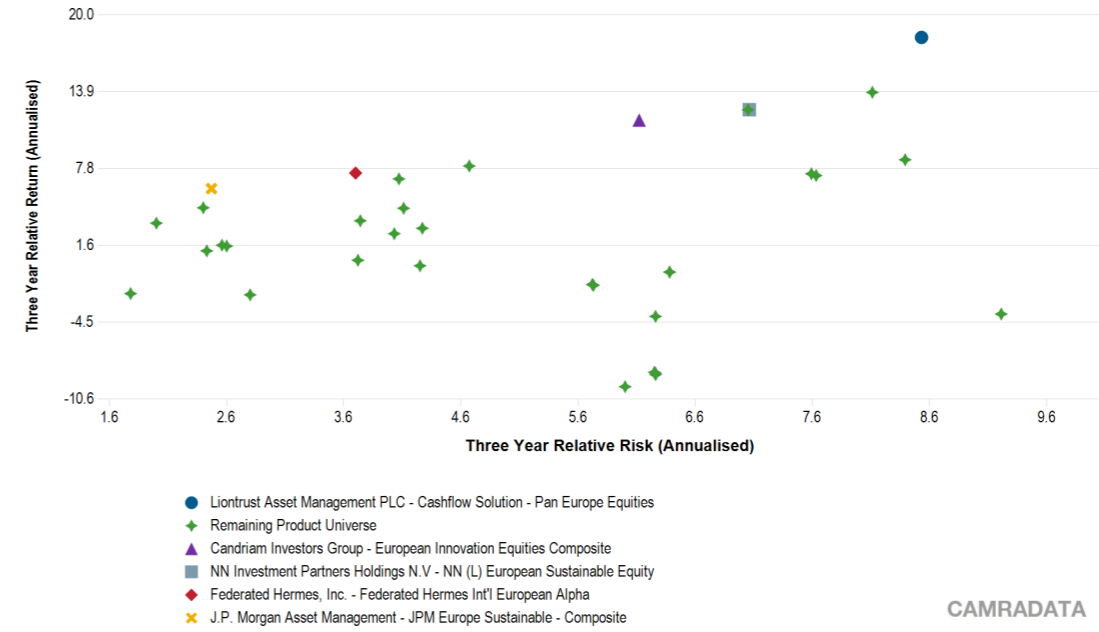
## Three Year Relative Risk Return :

European Inc. UK Equity - Core (EUR)

Data 35 products

Benchmark MSCI EUROPE E - TR EUR

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: MSCI EUROPE E - TR EUR

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Liontrust Asset Management PLC	Cashflow Solution - Pan Europe Equities	18.20	2.12	1.36	61.11	0.22	0.87	8.57	EUR
2	J.P. Morgan Asset Management	JPM Europe Sustainable - Composite	6.14	2.45	0.37	63.89	0.37	0.84	2.51	EUR
3	Federated Hermes, Inc.	Federated Hermes Int'l European Alpha	7.38	1.97	0.24	66.67	0.60	0.83	3.74	EUR
4	Candriam Investors Group	European Innovation Equities Composite	11.61	1.88	0.33	66.67	-0.45	0.83	6.16	EUR
5	NN Investment Partners Holdings N.V	NN (L) European Sustainable Equity	12.44	1.75	0.04	69.44	-0.54	0.77	7.10	EUR
6	Allianz Global Investors	AllianzGI Euro Conviction Equity Composite	6.91	1.68	0.42	61.11	-0.22	0.76	4.11	EUR
7	Principal Global Investors	European Equity Composite (EUR)	7.94	1.69	0.10	66.67	-0.13	0.75	4.71	EUR
8	AXA Investment Managers	AXA WF Framlington Sustainable Europe Fund	4.61	1.89	0.25	61.11	-0.61	0.71	2.44	EUR
9	Amundi Asset Management	European Concentrated Equity Composite	3.57	0.94	0.27	55.56	0.17	0.66	3.78	EUR
10	Union Bancaire Privée, UBP SA	UBAM - Positive Impact Equity	8.44	1.00	0.04	61.11	-1.11	0.59	8.43	EUR
11	T. Rowe Price Group, Inc.	Europe Equity Composite (Euro)	4.57	1.10	-0.18	66.67	-0.70	0.55	4.15	EUR
12	abrdn	Pan European Equity - 3% outperformance Composite	7.32	0.96	-0.06	61.11	-1.21	0.52	7.63	EUR
13	MFS Investment Management	MFS Meridian Funds - European Research Fund	0.42	0.11	0.18	44.44	-3.10	0.36	3.76	EUR
14	EFG Asset Management Limited	New Capital Dynamic European Equity Fund	-0.02	0.00	-0.05	50.00	-1.29	0.35	4.29	EUR
15	State Street Global Advisors Limited	State Street Europe Managed Volatility Equity Fund - I	-3.87	-0.42	0.11	41.67	-1.39	0.30	9.25	EUR
16	Invesco Ltd.	European Low Volatility Composite	-4.06	-0.64	-0.17	44.44	-1.22	0.24	6.30	EUR
17	Unigestion SA	Uni-Global - Equities Europe (EUR)	-8.52	-1.35	0.03	30.56	-1.99	0.15	6.29	EUR

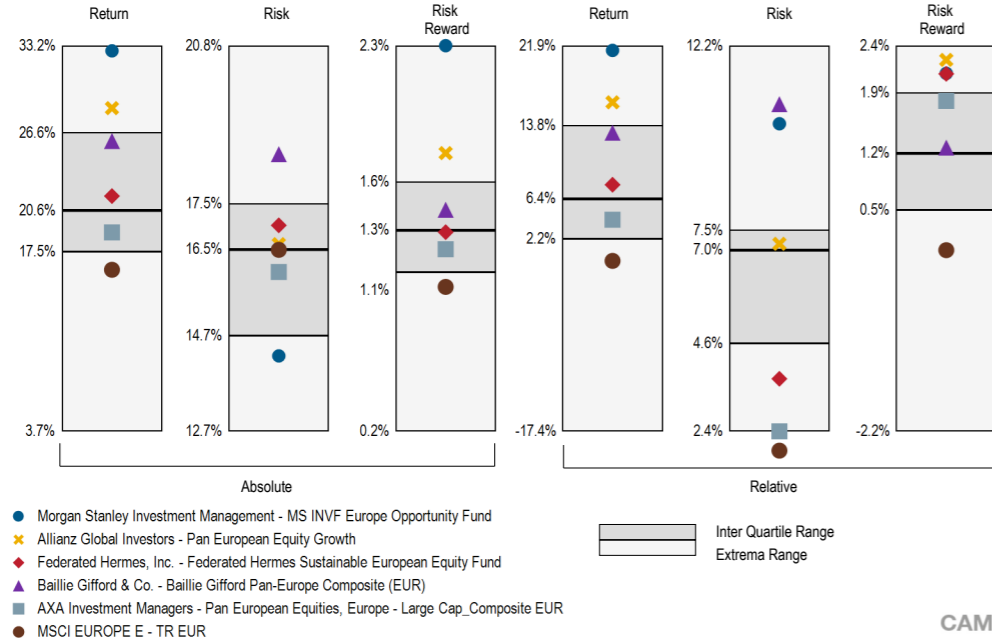
Selection Criteria - Geographical Focus: European Inc. UK Asset Type: EQUITY Style: Core Size: All Cap, Large Cap, Large and Mid Cap, Mid Cap, N/A

# European Inc. UK Equity - Growth (EUR)

## Three Year Returns :

### European Inc. UK Equity - Growth (EUR)

Data 16 products  
 Benchmark MSCI EUROPE E - TR EUR  
 Period Three Years to Dec 2021

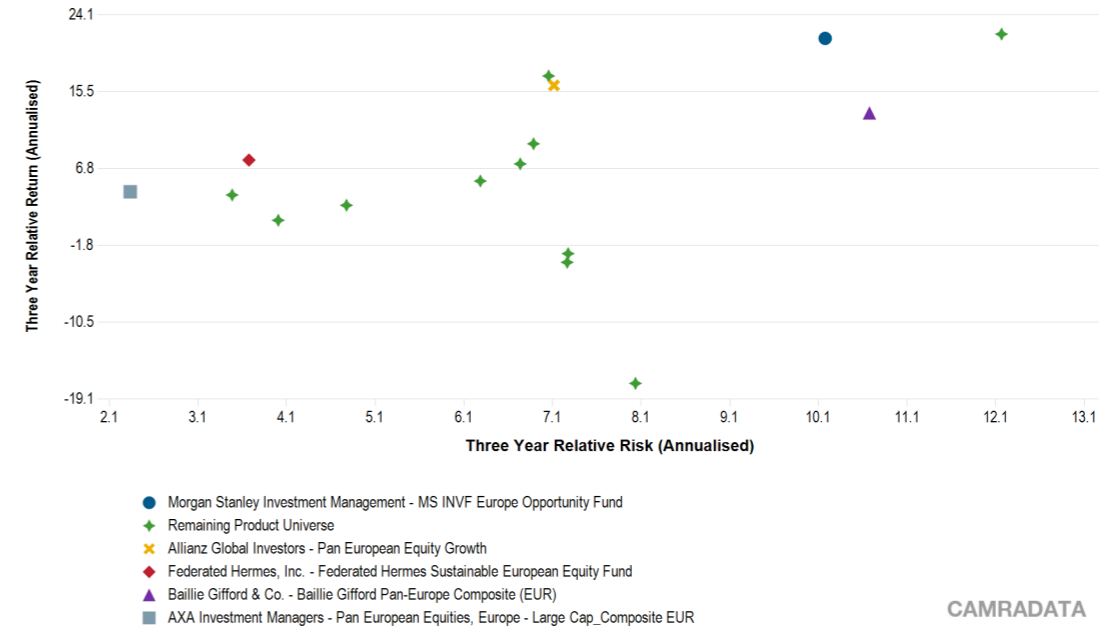


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## Three Year Relative Risk Return :

### European Inc. UK Equity - Growth (EUR)

Data 16 products  
 Benchmark MSCI EUROPE E - TR EUR  
 Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: MSCI EUROPE E - TR EUR

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Morgan Stanley Investment Management	MS INV F Europe Opportunity Fund	21.45	2.10	0.34	69.44	-0.08	0.79	10.20	EUR
2	Allianz Global Investors	Pan European Equity Growth	16.16	2.26	0.13	72.22	0.08	0.76	7.14	EUR
3	Federated Hermes, Inc.	Federated Hermes Sustainable European Equity Fund	7.76	2.10	0.39	63.89	0.68	0.73	3.70	EUR
4	Baillie Gifford & Co.	Baillie Gifford Pan-Europe Composite (EUR)	13.06	1.22	0.13	63.89	-0.66	0.55	10.70	EUR
5	AXA Investment Managers	Pan European Equities, Europe - Large Cap_Composite EUR	4.19	1.78	0.27	58.33	-0.69	0.52	2.36	EUR
6	Wellington Management Company LLP	Strategic European Equity Separate Account/Composite	3.83	1.09	0.14	58.33	-0.56	0.48	3.51	EUR
7	Fidelity International	Fidelity Funds European Dynamic Growth	7.33	1.08	0.41	55.56	-1.81	0.47	6.76	EUR
8	Vontobel Asset Management	Vontobel Fund - European Equity	5.40	0.86	0.51	50.00	-0.89	0.47	6.31	EUR
9	Mackenzie Investments	European Concentrated Quality Growth EUR	-2.77	-0.38	0.68	33.33	-3.84	0.28	7.30	EUR
10	Janus Henderson Investors	Janus Henderson Horizon Pan European Equity Fund	2.67	0.56	-0.05	58.33	-2.20	0.26	4.80	EUR
11	Eric Sturdza Investments	Strategic Europe Quality Fund	-3.75	-0.51	0.03	41.67	-2.65	0.15	7.29	EUR
12	Franklin Templeton Investments	FTIF - Templeton European Opportunities Fund I (Acc) EUR	-17.37	-2.16	-0.90	38.89	-1.76	0.12	8.06	EUR

Selection Criteria - Geographical Focus: European Inc. UK Asset Type: EQUITY Style: Growth Size: All Cap, Large Cap, Large and Mid Cap, Mid Cap, N/A

# European Inc. UK Equity - Small Cap (EUR)

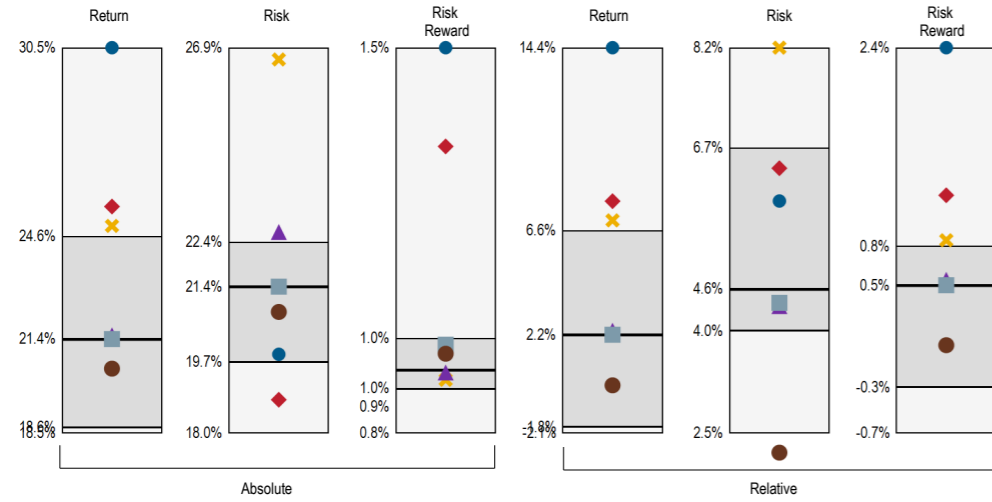
## Three Year Returns :

European Inc. UK Equity - Small Cap (EUR)

Data 11 products

Benchmark MSCI EUROPE :S E - TR EUR

Period Three Years to Dec 2021



- abrdn - European Smaller Companies Fund
  - ✕ Janus Henderson Investors - Janus Henderson Horizon Pan European Smaller Companies Fund
  - ◆ Columbia Threadneedle Investments EMEA APAC - Threadneedle (Lux) Pan European Small Cap Opportunities Fund (SXEUSM)
  - ▲ Fidelity International - Fidelity Funds European Smaller Companies Fund
  - Allianz Global Investors - AllianzGI Europe Small Cap Equity IT EUR
  - MSCI EUROPE :S E - TR EUR
- Inter Quartile Range  
Extrema Range

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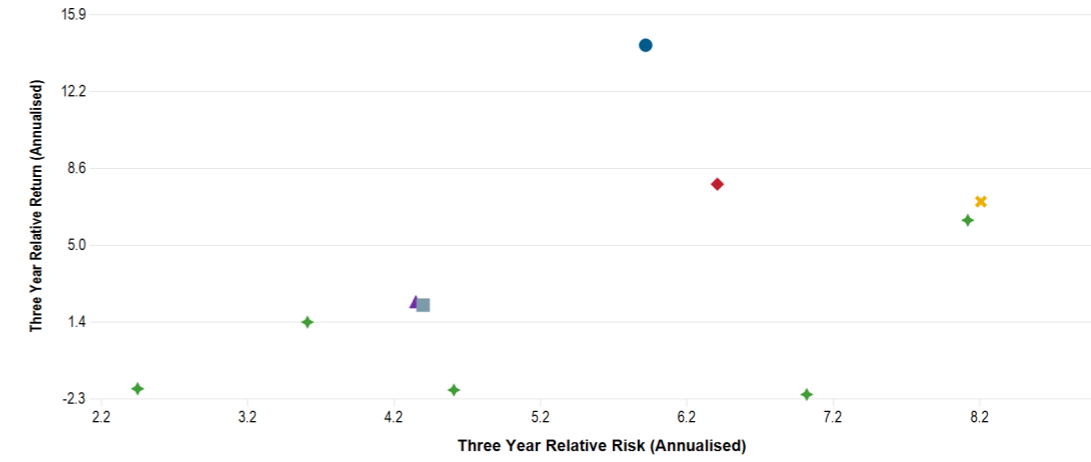
## Three Year Relative Risk Return :

European Inc. UK Equity - Small Cap (EUR)

Data 11 products

Benchmark MSCI EUROPE :S E - TR EUR

Period Three Years to Dec 2021



- abrdn - European Smaller Companies Fund
- ◆ Columbia Threadneedle Investments EMEA APAC - Threadneedle (Lux) Pan European Small Cap Opportunities Fund (SXEUSM)
- ✕ Janus Henderson Investors - Janus Henderson Horizon Pan European Smaller Companies Fund
- ◆ Remaining Product Universe
- ▲ Fidelity International - Fidelity Funds European Smaller Companies Fund
- Allianz Global Investors - AllianzGI Europe Small Cap Equity IT EUR

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## IQ Scores : - Benchmark: MSCI EUROPE :S E - TR EUR

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	abrdn	European Smaller Companies Fund	14.41	2.42	0.30	69.44	0.00	0.88	5.95	EUR
2	Janus Henderson Investors	Janus Henderson Horizon Pan European Smaller Companies Fund	7.04	0.85	0.50	55.56	-0.34	0.75	8.24	EUR
3	Columbia Threadneedle Investments EMEA APAC	Threadneedle (Lux) Pan European Small Cap Opportunities Fund (SXEUSM)	7.86	1.22	-0.04	63.89	-0.93	0.68	6.44	EUR
4	Fidelity International	Fidelity Funds European Smaller Companies Fund	2.33	0.53	-0.14	61.11	-0.52	0.53	4.38	EUR
5	Allianz Global Investors	AllianzGI Europe Small Cap Equity IT EUR	2.16	0.49	0.60	41.67	-2.87	0.42	4.43	EUR
6	AXA Investment Managers	AXA WF Framlington Europe Small Cap_I EUR	-2.05	-0.29	-0.11	47.22	-1.96	0.25	7.05	EUR
7	Dimensional Fund Advisors	Europe Small Cap Equity Composite	-1.78	-0.72	-0.12	50.00	-1.26	0.25	2.48	EUR
8	Principal Global Investors	European Smaller Companies Equity Composite (EUR)	-1.84	-0.40	-0.11	47.22	-1.58	0.25	4.64	EUR

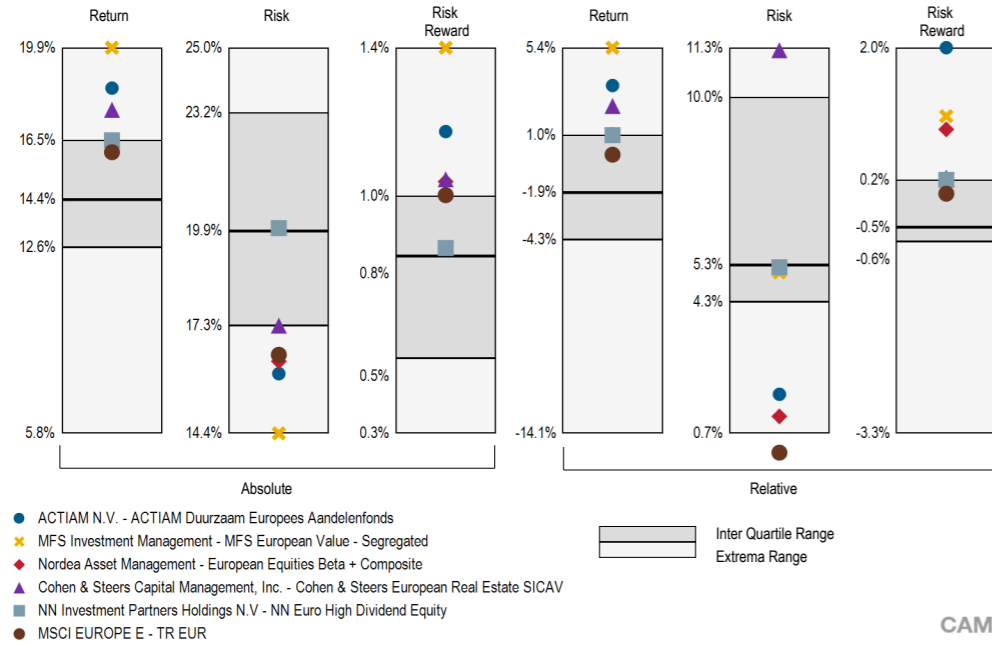
Selection Criteria - Management Approach: Active, Hedge, Passive Geographical Focus: European Inc. UK Asset Type: EQUITY Size: Small Cap

# European Inc. UK Equity - Value (EUR)

## Three Year Returns :

### European Inc. UK Equity - Value (EUR)

Data 21 products  
 Benchmark MSCI EUROPE E - TR EUR  
 Period Three Years to Dec 2021

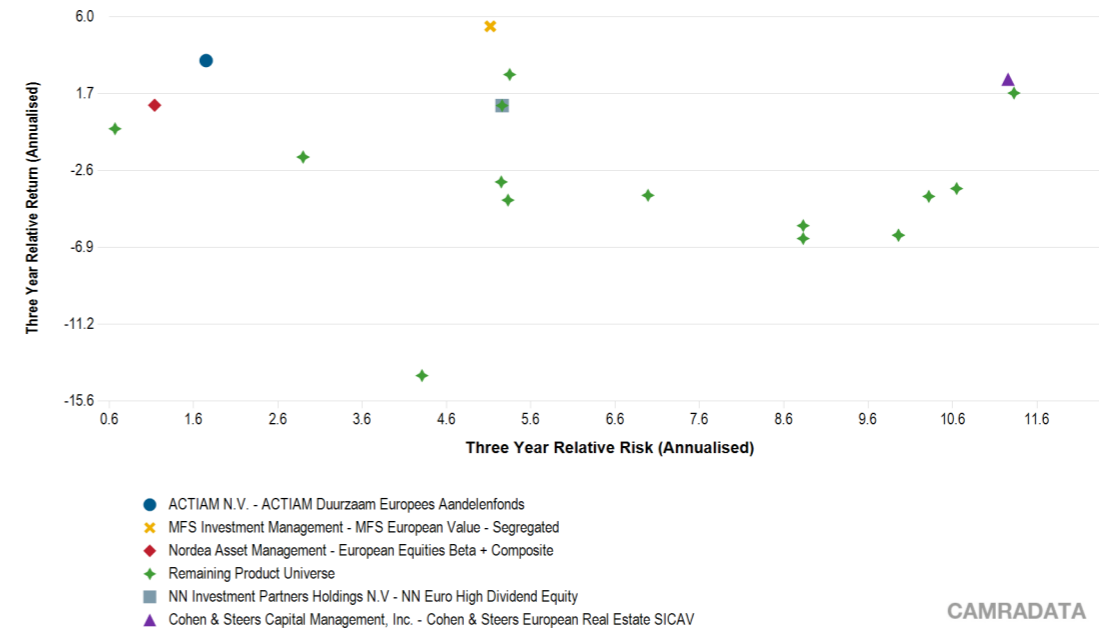


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## Three Year Relative Risk Return :

### European Inc. UK Equity - Value (EUR)

Data 21 products  
 Benchmark MSCI EUROPE E - TR EUR  
 Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: MSCI EUROPE E - TR EUR

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	ACTIAM N.V.	ACTIAM Duurzaam Europees Aandelenfonds	3.51	1.99	0.08	66.67	0.04	0.91	1.76	EUR
2	MFS Investment Management	MFS European Value - Segregated	5.43	1.06	0.03	61.11	-0.93	0.87	5.13	EUR
3	Nordea Asset Management	European Equities Beta + Composite	1.01	0.88	-0.02	61.11	-1.11	0.74	1.15	EUR
4	Cohen & Steers Capital Management, Inc.	Cohen & Steers European Real Estate SICAV	2.47	0.22	0.01	52.78	-1.30	0.68	11.27	EUR
5	NN Investment Partners Holdings N.V.	NN Euro High Dividend Equity	0.99	0.19	0.22	50.00	-0.95	0.68	5.27	EUR
6	Lombard Odier Investment Managers	LO Funds - Europe High Conviction EUR IA	2.73	0.51	0.11	52.78	-1.70	0.65	5.36	EUR
7	Amundi Asset Management	European Equity Value Composite	-3.66	-0.34	-0.80	58.33	-1.01	0.55	10.66	EUR
8	AB (AllianceBernstein)	AB European Value Composite	-3.29	-0.63	-0.02	44.44	-1.13	0.45	5.26	EUR
9	M&G Investments	M&G European Strategic Value	-4.04	-0.58	0.64	36.11	-1.49	0.42	7.00	EUR
10	State Street Global Advisors Limited	State Street Europe Value Spotlight Fund	-6.27	-0.63	-0.42	50.00	-1.39	0.28	9.97	EUR
11	Dimensional Fund Advisors	Europe Large Cap Value Equity Composite	-5.74	-0.65	-0.60	52.78	-1.75	0.27	8.84	EUR
12	Allianz Global Investors	AllianzGI Europe Equity Dividend composite	-14.14	-3.27	-0.37	25.00	-2.64	0.11	4.32	EUR

Selection Criteria - Geographical Focus: European Inc. UK Asset Type: EQUITY Style: Value Size: All Cap, Large Cap, Large and Mid Cap, Mid Cap, N/A

# Global Bank Loans (USD)

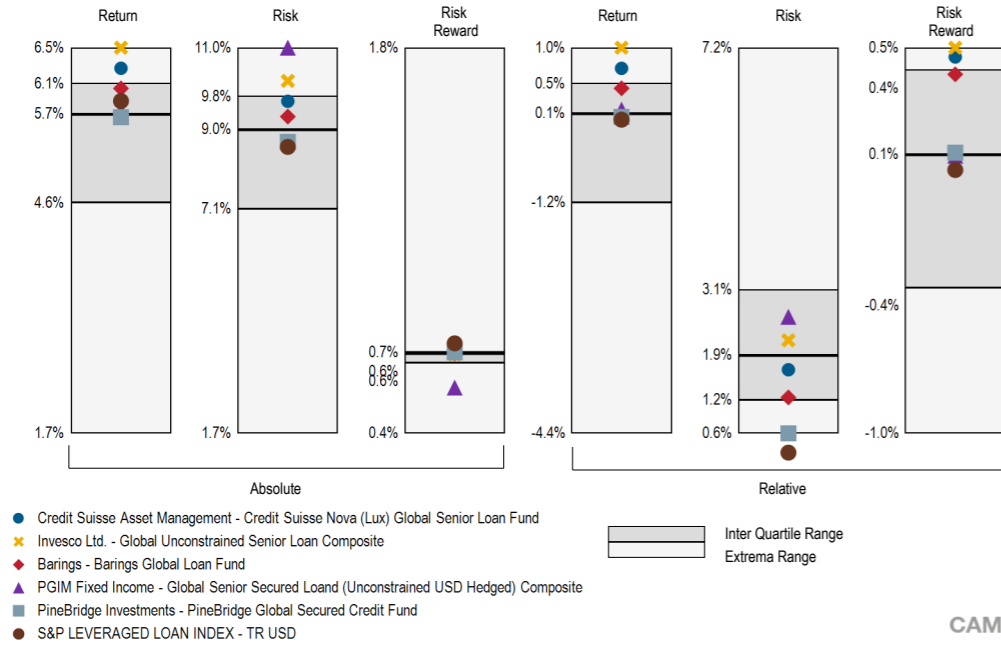
## Three Year Returns :

### Global Bank Loans (USD)

Data 8 products

Benchmark S&P LEVERAGED LOAN INDEX - TR USD

Period Three Years to Dec 2021



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## Three Year Relative Risk Return :

### Global Bank Loans (USD)

Data 8 products

Benchmark S&P LEVERAGED LOAN INDEX - TR USD

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: S&P LEVERAGED LOAN INDEX - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Credit Suisse Asset Management	Credit Suisse Nova (Lux) Global Senior Loan Fund	0.72	0.43	0.03	58.33	-0.66	0.73	1.69	USD
2	Invesco Ltd.	Global Unconstrained Senior Loan Composite	1.01	0.46	-0.09	66.67	-1.00	0.71	2.19	USD
3	Barings	Barings Global Loan Fund	0.44	0.36	-0.18	72.22	-1.02	0.58	1.22	USD
4	PGIM Fixed Income	Global Senior Secured Loand (Unconstrained USD Hedged) Composite	0.14	0.05	-0.06	58.33	-1.01	0.51	2.59	USD
5	PineBridge Investments	PineBridge Global Secured Credit Fund	0.04	0.07	0.01	50.00	-1.17	0.47	0.61	USD
6	Federated Hermes, Inc.	Federated Hermes Trade Finance Composite	-3.01	-0.42	0.25	33.33	-3.32	0.38	7.16	USD
7	J.P. Morgan Asset Management	JPM Leveraged Loans-Composite	-0.54	-0.51	0.02	36.11	-2.78	0.36	1.05	USD
8	Allianz Global Investors	AllianzGI Global Floating Rate Notes Plus composite	-4.40	-0.99	0.09	27.78	-4.09	0.24	4.43	USD

Selection Criteria - Management Approach: Active, Hedge, Passive Geographical Focus: Global Asset Type: BOND Strategy Type: Loans

# Global Broad Bond - Absolute Return (USD)

## Three Year Returns :

### Global Broad Bond - Absolute Return (USD)

Data 50 products

Benchmark IBA USD IBK. LIBOR 3M DELAYED - TR USD

Period Three Years to Dec 2021



- Marsham Investment Management LLP - Marsham USD Transitional Issuers Fixed Income Composite
- ✕ Principal Global Investors - Global Credit Opportunities Composite
- ◆ Nomura Asset Management - Nomura Funds Ireland Global Dynamic Bond Fund
- ▲ AXA Investment Managers - AXA WF Global Strategic Bonds\_ I USD
- Eaton Vance Management (International) Limited - Global Macro Absolute Return Advantage Separate Account
- IBA USD IBK. LIBOR 3M DELAYED - TR USD

Inter Quartile Range  
Extrema Range

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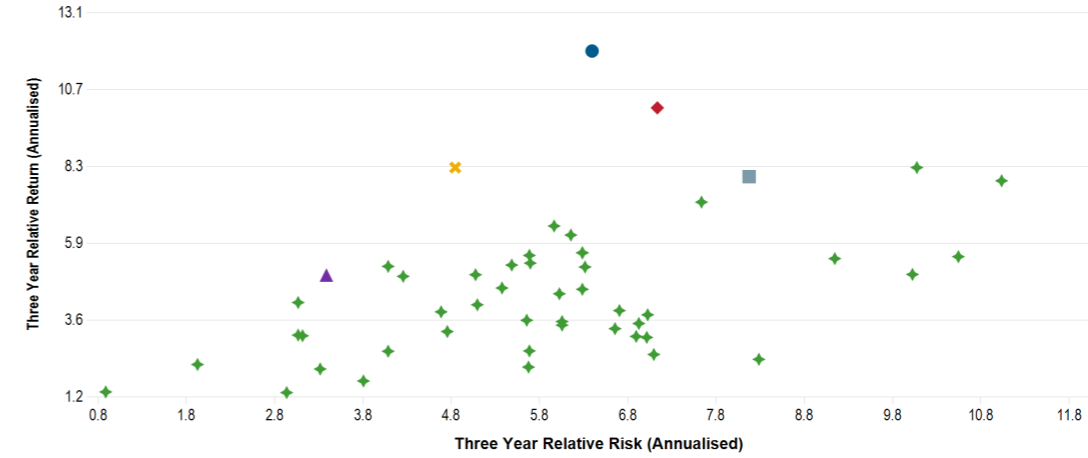
## Three Year Relative Risk Return :

### Global Broad Bond - Absolute Return (USD)

Data 50 products

Benchmark IBA USD IBK. LIBOR 3M DELAYED - TR USD

Period Three Years to Dec 2021



- Marsham Investment Management LLP - Marsham USD Transitional Issuers Fixed Income Composite
- ✕ Principal Global Investors - Global Credit Opportunities Composite
- ◆ Nomura Asset Management - Nomura Funds Ireland Global Dynamic Bond Fund
- ▲ AXA Investment Managers - AXA WF Global Strategic Bonds\_ I USD
- ◆ Remaining Product Universe
- Eaton Vance Management (International) Limited - Global Macro Absolute Return Advantage Separate Account

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## IQ Scores : - Benchmark: IBA USD IBK. LIBOR 3M DELAYED - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Marsham Investment Management LLP	Marsham USD Transitional Issuers Fixed Income Composite	11.89	1.87	1.14	66.67	0.78	0.84	6.35	USD
2	Principal Global Investors	Global Credit Opportunities Composite	8.28	1.73	0.53	69.44	-0.09	0.80	4.80	USD
3	Nomura Asset Management	Nomura Funds Ireland Global Dynamic Bond Fund	10.13	1.43	-0.42	83.33	0.39	0.80	7.09	USD
4	AXA Investment Managers	AXA WF Global Strategic Bonds_ I USD	4.95	1.48	0.16	72.22	0.09	0.72	3.34	USD
5	Eaton Vance Management (International) Limited	Global Macro Absolute Return Advantage Separate Account	8.00	0.98	0.52	63.89	-0.03	0.72	8.13	USD
6	Franklin Templeton Investments	Franklin Global Sukuk Composite	6.19	1.01	-0.27	77.78	-0.11	0.67	6.11	USD
7	Manulife Investment Management (Europe) Limited	Strategic Fixed Income Opportunities	6.47	1.09	0.17	69.44	-0.37	0.67	5.92	USD
8	Reams Asset Management, A Division of Scout Investments	Unconstrained Fixed Income Composite	5.22	1.29	0.39	66.67	-0.11	0.67	4.04	USD
9	J.P. Morgan Asset Management	JPM Global Strategic Bond Fund -USD	4.10	1.36	0.13	72.22	-0.10	0.66	3.02	USD
10	Liontrust Asset Management PLC	Liontrust GF Strategic Bond Fund	5.56	0.99	0.27	66.67	-0.24	0.64	5.64	USD
11	Union Bancaire Privée, UBP SA	UBAM - Absolute Return Low Vol Fixed Income	1.33	1.58	0.00	77.78	0.37	0.64	0.84	USD
12	Western Asset Management	Macro Opportunities Composite - (777455)	7.87	0.72	0.54	58.33	-0.32	0.62	10.99	USD
13	BlackRock	BGF Fixed Income Global Opportunities Fund	4.55	0.85	-0.62	83.33	-0.38	0.57	5.33	USD
14	Loomis Sayles	Loomis Sayles Strategic Alpha	5.26	0.97	0.02	72.22	-0.71	0.55	5.44	USD
15	Wellington Management Company LLP	Global Total Return Composite	2.18	1.16	0.17	61.11	0.34	0.54	1.88	USD
16	TCW	TCW Unconstrained Fixed Income	3.81	0.82	-0.62	83.33	-0.46	0.52	4.64	USD
17	Morgan Stanley Investment Management	Morgan Stanley Global Fixed Income Opportunities strategy	4.37	0.73	-0.17	72.22	-0.37	0.51	5.98	USD
18	Pictet Asset Management	Global Fixed Income Absolute Return Customised Higher Risk Pooled	5.64	0.90	-0.25	72.22	-0.71	0.49	6.24	USD
19	Federated Hermes, Inc.	Federated Hermes Absolute Return Credit Fund	3.55	0.63	-0.66	80.56	-0.45	0.47	5.61	USD
20	Vontobel Asset Management	Vontobel Fund - Bond Global Aggregate USD	5.52	0.53	-0.83	75.00	-0.49	0.46	10.50	USD

Selection Criteria - Management Approach: Active Geographical Focus: Global Asset Type: BOND Strategy Type: Broad Bond Style: Absolute Return

# Global Corporate Debt (USD)

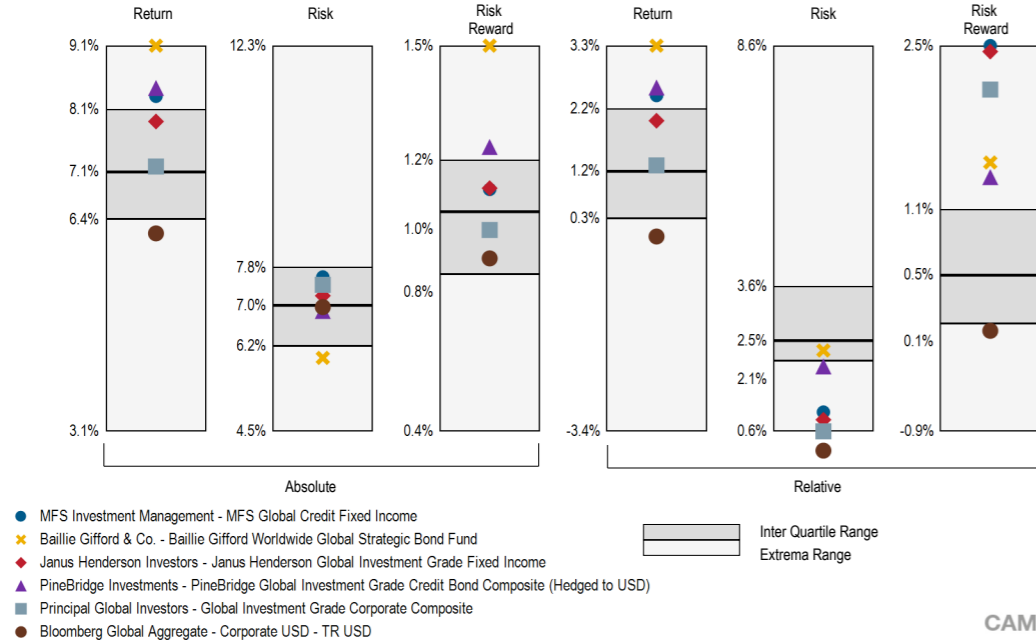
## Three Year Returns :

### Global Corporate Debt (USD)

Data 51 products

Benchmark Bloomberg Global Aggregate - Corporate USD - TR USD

Period Three Years to Dec 2021



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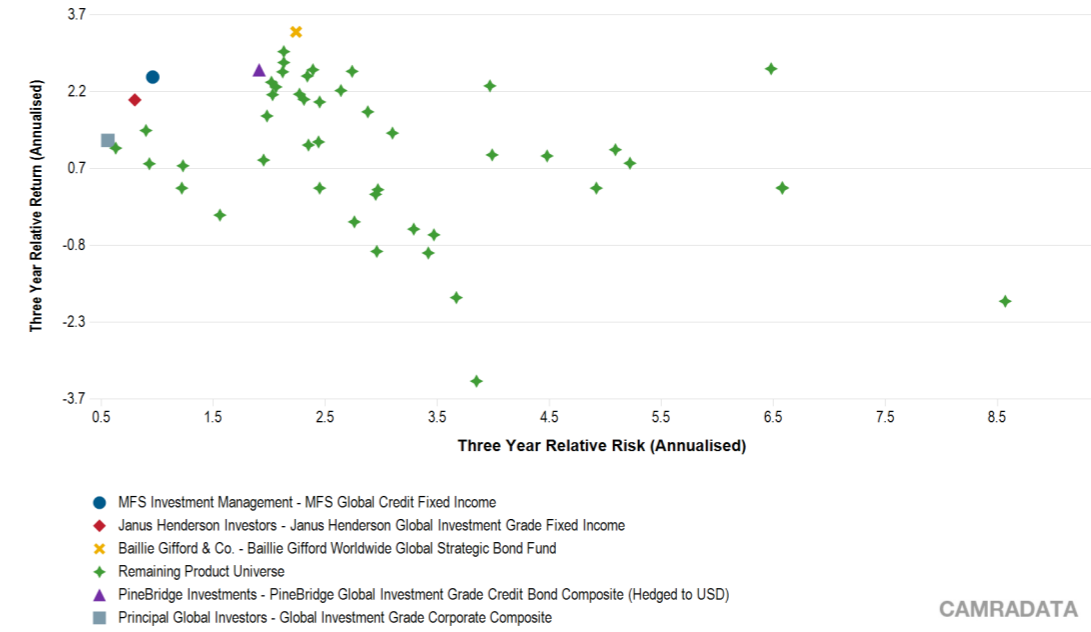
## Three Year Relative Risk Return :

### Global Corporate Debt (USD)

Data 51 products

Benchmark Bloomberg Global Aggregate - Corporate USD - TR USD

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: Bloomberg Global Aggregate - Corporate USD - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	MFS Investment Management	MFS Global Credit Fixed Income	2.46	2.48	0.12	75.00	0.58	0.93	0.99	USD
2	Baillie Gifford & Co.	Baillie Gifford Worldwide Global Strategic Bond Fund	3.33	1.47	0.07	66.67	0.30	0.89	2.27	USD
3	Janus Henderson Investors	Janus Henderson Global Investment Grade Fixed Income	2.02	2.43	0.05	83.33	-0.26	0.83	0.83	USD
4	PineBridge Investments	PineBridge Global Investment Grade Credit Bond Composite (Hedged to USD)	2.60	1.34	0.10	63.89	-0.27	0.82	1.94	USD
5	Principal Global Investors	Global Investment Grade Corporate Composite	1.24	2.10	0.03	77.78	0.66	0.80	0.59	USD
6	PGIM Fixed Income	Global Corporate (Unhedged) (Composite)	1.43	1.54	0.02	77.78	-0.24	0.77	0.93	USD
7	Insight Investment	Global Credit Fund pd (C0929)	2.60	1.07	0.12	61.11	-0.65	0.76	2.42	USD
8	Amundi Asset Management	Amundi Funds Global Corporate Bond	2.27	1.09	0.06	63.89	-0.54	0.73	2.09	USD
9	Morgan Stanley Investment Management	Global Credit Core Commingled Composite	1.09	1.65	0.10	58.33	-0.03	0.71	0.66	USD
10	J.P. Morgan Asset Management	JPM Global Corporate Bond Fund -USD	2.57	0.93	0.15	58.33	-0.78	0.70	2.77	USD
11	Aegon Asset Management	Aegon Inv Grade Global Bond	2.48	1.05	0.20	55.56	-0.84	0.67	2.37	USD
12	Western Asset Management	Global Credit - (999268)	2.12	1.03	0.01	63.89	-0.70	0.66	2.06	USD
13	Vontobel Asset Management	Vontobel Fund - Global Corporate Bond	1.98	0.80	0.04	61.11	-0.53	0.65	2.48	USD
14	Fidelity International	FIAM Global Credit	2.20	0.82	-0.04	63.89	-0.78	0.62	2.67	USD
15	Columbia Threadneedle Investments EMEA APAC	Global Corporate Bonds composite (14243)	2.13	0.93	0.04	61.11	-1.14	0.58	2.30	USD
16	Wellington Management Company LLP	Global Credit Separate Account/Composite	0.79	0.82	0.09	52.78	-0.20	0.56	0.96	USD
17	Loomis Sayles	World Credit Asset Fund	2.29	0.57	-0.12	63.89	-1.03	0.55	4.00	USD
18	Invesco Ltd.	Invesco Global Investment Grade Corporate Bond composite	2.03	0.87	0.10	58.33	-1.30	0.54	2.34	USD
19	BlackRock	BGF Global Corporate Bond Fund	1.15	0.48	0.02	55.56	-0.72	0.48	2.38	USD
20	abrdn	Global Corporate Bond Fund	0.86	0.43	0.02	55.56	-0.97	0.42	1.98	USD

Selection Criteria - Management Approach: Active Geographical Focus: Global Asset Type: BOND Strategy Type: Corporate Style: Absolute Return, Income, Index Linked, N/A



# Global Equity - Core All Cap (USD)

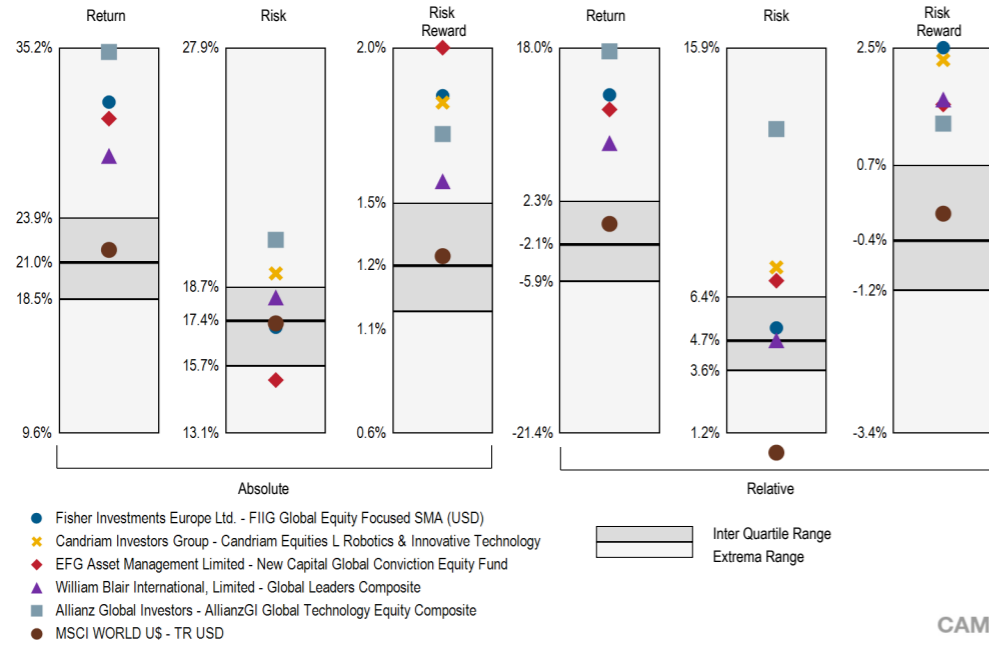
## Three Year Returns :

### Global Equity - Core All Cap (USD)

Data 65 products

Benchmark MSCI WORLD US - TR USD

Period Three Years to Dec 2021



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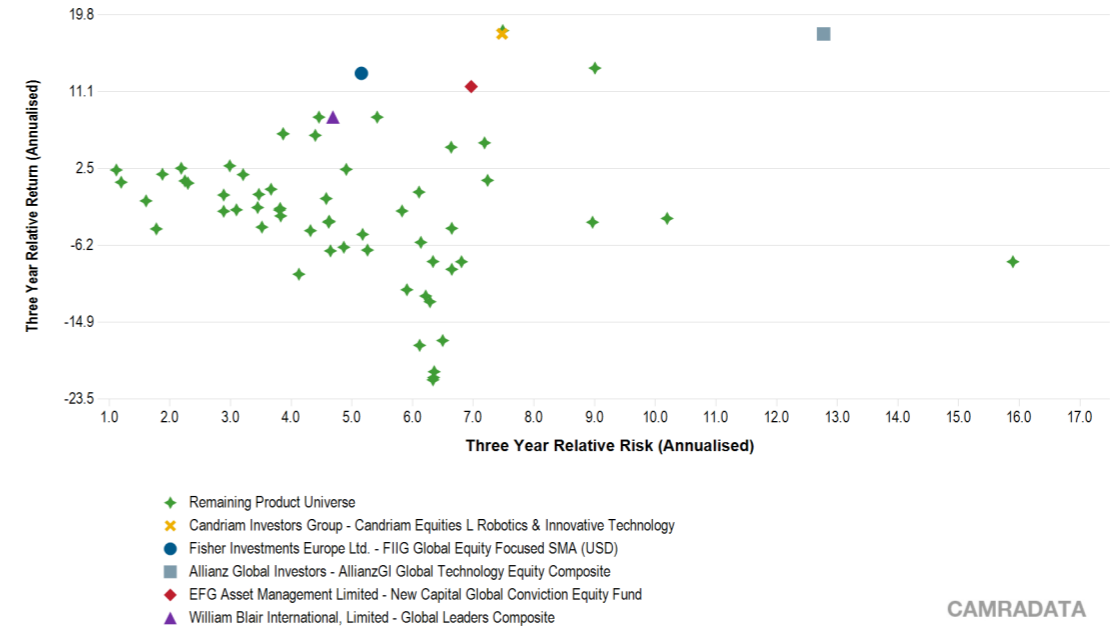
## Three Year Relative Risk Return :

### Global Equity - Core All Cap (USD)

Data 65 products

Benchmark MSCI WORLD US - TR USD

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: MSCI WORLD US\$ - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Fisher Investments Europe Ltd.	FIIG Global Equity Focused SMA (USD)	13.17	2.53	0.41	66.67	0.58	0.95	5.20	USD
2	Candriam Investors Group	Candriam Equities L Robotics & Innovative Technology	17.63	2.34	0.24	69.44	-0.34	0.92	7.52	USD
3	EFG Asset Management Limited	New Capital Global Conviction Equity Fund	11.68	1.67	0.32	61.11	-0.68	0.86	7.01	USD
4	William Blair International, Limited	Global Leaders Composite	8.25	1.74	0.17	63.89	-0.64	0.85	4.73	USD
5	Allianz Global Investors	AllianzGI Global Technology Equity Composite	17.61	1.37	0.09	63.89	-0.52	0.84	12.82	USD
6	Fidelity International	FIAM Select Global Composite	2.27	1.96	0.08	63.89	-0.14	0.82	1.16	USD
7	PineBridge Investments	PineBridge Global Focus Equity Composite	6.35	1.62	0.53	52.78	-0.08	0.82	3.91	USD
8	J.P. Morgan Asset Management	JPM Global Unconstrained - Composite	8.23	1.51	0.06	63.89	-0.75	0.79	5.46	USD
9	abrdn	Aberdeen Standard SICAV I - Global Innovation Equity Fund	13.76	1.52	-0.49	69.44	-1.41	0.70	9.05	USD
10	Victory Capital Management Inc.	RS Global Composite	2.47	1.11	0.15	52.78	-1.17	0.69	2.23	USD
11	Federated Hermes, Inc.	Federated Hermes Int'l Global Equity Low Carbon Composite	1.79	0.93	0.06	55.56	-1.15	0.68	1.92	USD
12	Royal London Asset Management	Royal London Global Equity Diversified (Composite)	0.89	0.72	0.08	50.00	-0.95	0.65	1.24	USD
13	Dimensional Fund Advisors	World All Cap Core Sustainability Equity Composite	0.79	0.34	0.06	52.78	-0.87	0.65	2.34	USD
14	Nordea Asset Management	Global Stars Equity Composite (USD)	1.75	0.54	0.00	55.56	-1.61	0.64	3.25	USD
15	Artemis Investment Management LLP	Artemis Global Select Composite (USD)	2.34	0.47	-0.11	55.56	-1.27	0.62	4.95	USD
16	AXA Investment Managers	AXA Framlington - Global Core Equity Composite	5.33	0.74	-0.46	63.89	-1.62	0.61	7.23	USD
17	Invesco Ltd.	Invesco Global Select Equity Composite	1.10	0.15	-0.38	58.33	-1.09	0.61	7.28	USD
18	MFS Investment Management	MFS Global Research Equity	1.04	0.45	-0.10	58.33	-1.67	0.60	2.29	USD
19	Janus Henderson Investors	Janus Henderson Global Alpha Equity	-2.35	-0.40	-0.84	63.89	-0.71	0.54	5.87	USD
20	Ninety One (previously Investec Asset Management)	Global Equity Fund (GSF)	-0.55	-0.19	0.18	41.67	-1.76	0.53	2.93	USD

Selection Criteria - Management Approach: Active Geographical Focus: Global Asset Type: EQUITY Style: Core Size: All Cap

# Global Equity - Core Large Cap (USD)

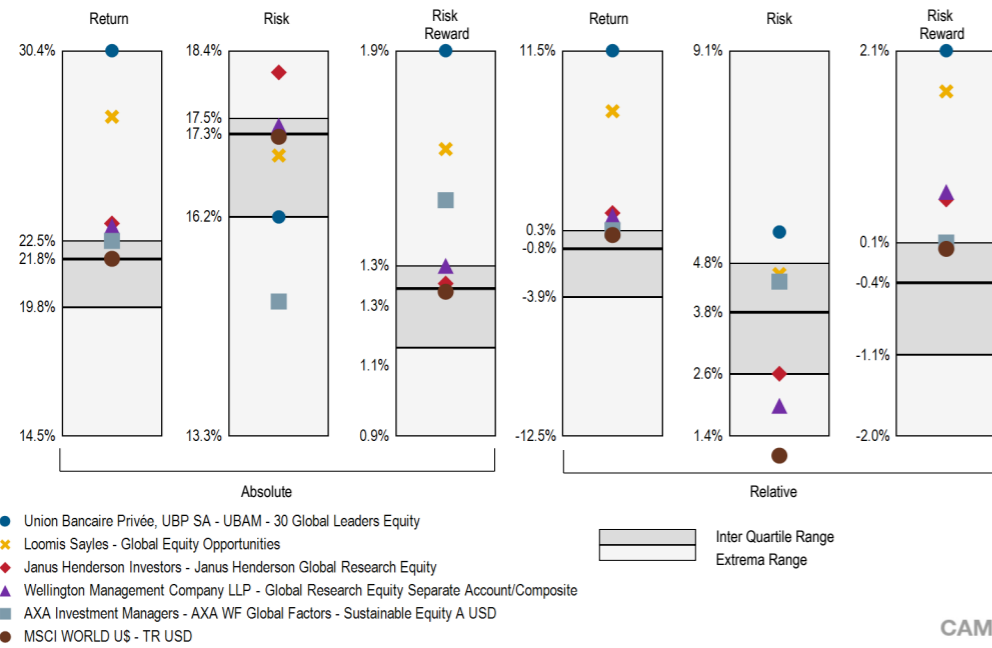
## Three Year Returns :

### Global Equity - Core Large Cap (USD)

Data 21 products

Benchmark MSCI WORLD US - TR USD

Period Three Years to Dec 2021



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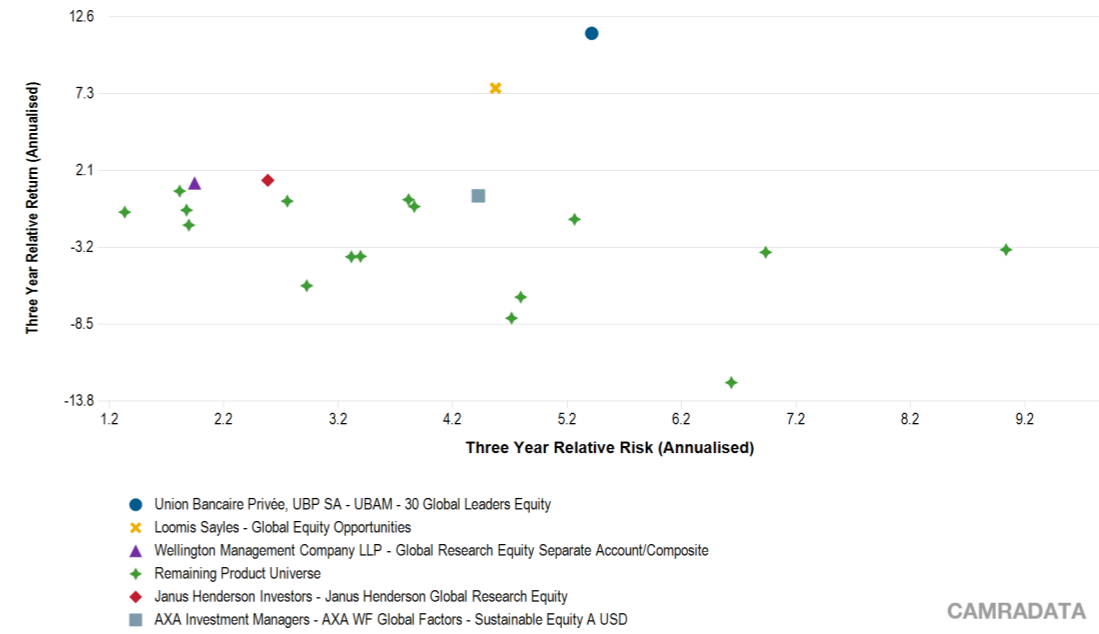
## Three Year Relative Risk Return :

### Global Equity - Core Large Cap (USD)

Data 21 products

Benchmark MSCI WORLD US - TR USD

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: MSCI WORLD US\$ - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Union Bancaire Privée, UBP SA	UBAM - 30 Global Leaders Equity	11.48	2.11	0.05	69.44	-0.56	0.87	5.43	USD
2	Loomis Sayles	Global Equity Opportunities	7.71	1.68	-0.06	66.67	-0.64	0.79	4.59	USD
3	Janus Henderson Investors	Janus Henderson Global Research Equity	1.37	0.53	0.02	55.56	-0.97	0.78	2.60	USD
4	Wellington Management Company LLP	Global Research Equity Separate Account/Composite	1.19	0.61	0.16	47.22	-1.50	0.76	1.96	USD
5	AXA Investment Managers	AXA WF Global Factors - Sustainable Equity A USD	0.30	0.07	0.07	47.22	-1.81	0.62	4.44	USD
6	ClariVest Asset Management LLC	ClariVest Global	-0.06	-0.02	0.15	44.44	-2.55	0.55	2.77	USD
7	Manulife Investment Management (Europe) Limited	Global Focus	-1.31	-0.25	0.00	47.22	-1.55	0.54	5.28	USD
8	J.P. Morgan Asset Management	JPM ACWI Research Enhanced Index - Composite	-0.82	-0.61	0.06	38.89	-1.24	0.50	1.35	USD
9	PGIM Quantitative Solutions LLC	PGIM Quantitative Solutions Global Core Equity ESG	-0.68	-0.36	0.19	36.11	-2.11	0.49	1.89	USD
10	Morgan Stanley Investment Management	Global Brands Equity Income Composite	-3.40	-0.38	0.27	41.67	-2.18	0.45	9.05	USD
11	MFS Investment Management	MFS Investment Funds - Blended Research Global Equity Fund	-3.86	-1.13	-0.24	47.22	-1.66	0.40	3.41	USD
12	AGF Investments	AGF Global Equity Composite	-8.11	-1.71	-0.49	44.44	-2.42	0.21	4.73	USD
13	Invesco Ltd.	International Equity Composite	-12.54	-1.89	-0.63	41.67	-2.71	0.12	6.65	USD

Selection Criteria - Management Approach: Active Geographical Focus: Global Asset Type: EQUITY Style: Core Size: Large Cap

# Global Equity - Growth All Cap (USD)

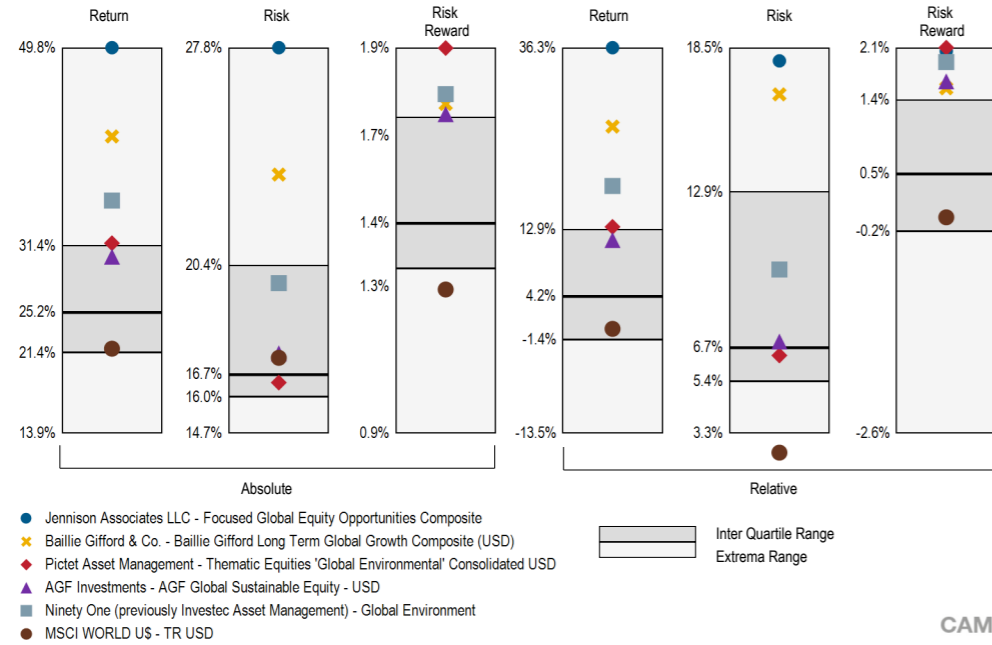
## Three Year Returns :

### Global Equity - Growth All Cap (USD)

Data 32 products

Benchmark MSCI WORLD US - TR USD

Period Three Years to Dec 2021



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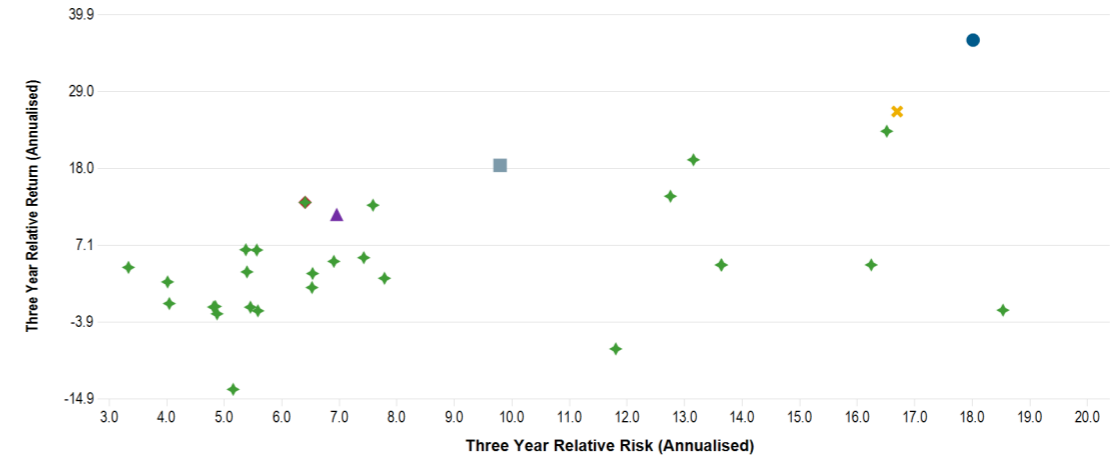
## Three Year Relative Risk Return :

### Global Equity - Growth All Cap (USD)

Data 32 products

Benchmark MSCI WORLD US - TR USD

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: MSCI WORLD US\$ - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Jennison Associates LLC	Focused Global Equity Opportunities Composite	36.31	2.02	1.95	61.11	-0.29	0.87	18.01	USD
2	Baillie Gifford & Co.	Baillie Gifford Long Term Global Growth Composite (USD)	26.12	1.57	0.52	63.89	-0.80	0.81	16.69	USD
3	Pictet Asset Management	Thematic Equities 'Global Environmental' Consolidated USD	13.17	2.06	-0.07	69.44	-0.64	0.79	6.40	USD
4	AGF Investments	AGF Global Sustainable Equity - USD	11.46	1.65	-0.01	66.67	-0.22	0.77	6.95	USD
5	Ninety One (previously Investec Asset Management)	Global Environment	18.44	1.88	0.96	61.11	-1.23	0.76	9.79	USD
6	Polar Capital	Polar Capital Funds Plc - Automation and Artificial Intelligence I USD Acc	12.76	1.68	0.35	61.11	-0.84	0.74	7.58	USD
7	Baron Capital	Baron Global Advantage Strategy Composite	23.31	1.41	-0.12	66.67	-0.90	0.69	16.51	USD
8	Columbia Threadneedle Investments EMEA APAC	TAM Global Sustainable Equity (14358)	6.37	1.15	0.09	58.33	-0.56	0.65	5.56	USD
9	Royal London Asset Management	Royal London Global Equity Select (Composite)	3.89	1.17	0.09	58.33	-1.18	0.58	3.33	USD
10	ClearBridge Investments	ClearBridge Global Growth Composite	6.41	1.19	-0.27	66.67	-1.34	0.56	5.37	USD
11	Wasatch Global Investors	Wasatch Global Select - Composite	5.28	0.71	-0.49	63.89	-1.31	0.50	7.42	USD
12	Wellington Management Company LLP	Global Impact Separate Account/Composite	2.34	0.30	0.26	50.00	-1.51	0.47	7.78	USD
13	Invesco Ltd.	Invesco Global Consumer Trends Composite	4.24	0.31	-0.05	55.56	-1.74	0.44	13.63	USD
14	Walter Scott & Partners Limited	Walter Scott Global Composite (USD)	1.82	0.45	0.43	41.67	-1.63	0.41	4.01	USD
15	Morgan Stanley Investment Management	Asia Opportunity Composite	-2.21	-0.12	0.80	44.44	-1.61	0.39	18.53	USD
16	Mirabaud Asset Management Ltd	Mirabaud - Sustainable Global Focus I cap. USD	-2.30	-0.41	0.02	44.44	-1.06	0.34	5.58	USD
17	Loomis Sayles	Global Growth	3.02	0.46	-0.25	58.33	-2.47	0.33	6.53	USD
18	Lombard Odier Investment Managers	LO Funds - Golden Age (USD) N A	-1.78	-0.33	-0.07	47.22	-1.07	0.33	5.45	USD
19	Vontobel Asset Management	Vontobel Quality Growth Global Equity Composite	-1.76	-0.37	0.05	44.44	-2.19	0.25	4.81	USD

Selection Criteria - Management Approach: Active Geographical Focus: Global Asset Type: EQUITY Style: Growth Size: All Cap

# Global Equity - Growth Large Cap (USD)

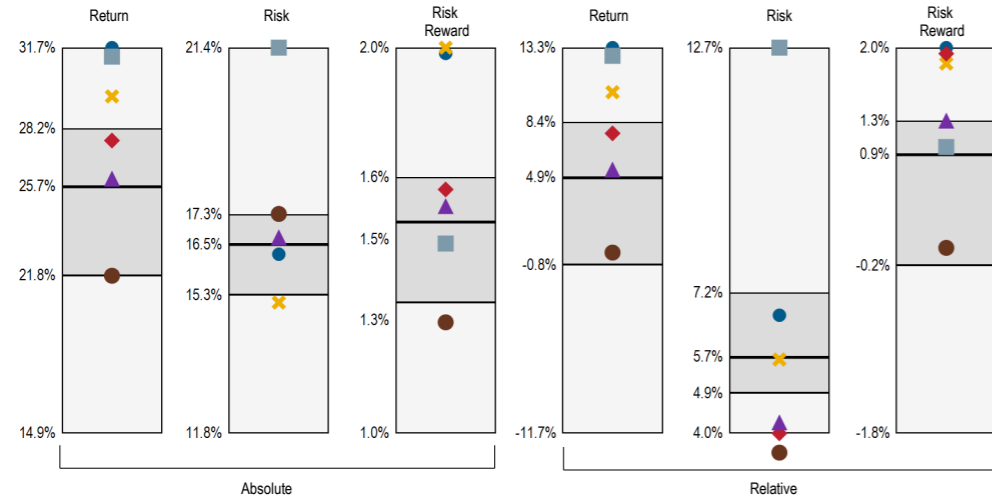
## Three Year Returns :

### Global Equity - Growth Large Cap (USD)

Data 26 products

Benchmark MSCI WORLD US\$ - TR USD

Period Three Years to Dec 2021



- AB (AllianceBernstein) - AB Sustainable Global Thematic Composite
  - Columbia Threadneedle Investments EMEA APAC - Threadneedle Global Equities (Focus) Composite (14216)
  - Janus Henderson Investors - Janus Henderson Global Research Growth Equity
  - BNY Mellon Investment Management EMEA Limited - BNY Mellon Global Leaders Fund
  - Invesco Ltd. - Global Select Equity
  - MSCI WORLD US\$ - TR USD
- Inter Quartile Range  
Extrema Range

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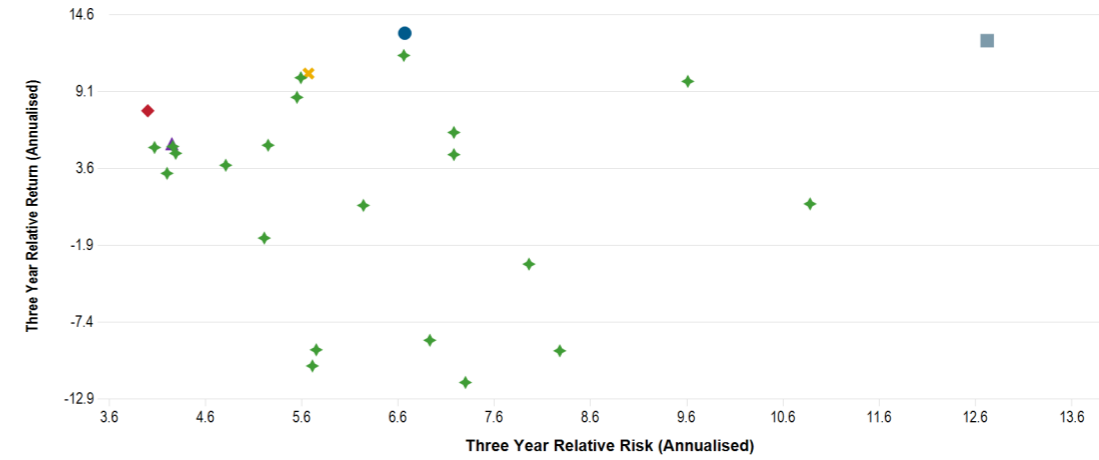
## Three Year Relative Risk Return :

### Global Equity - Growth Large Cap (USD)

Data 26 products

Benchmark MSCI WORLD US\$ - TR USD

Period Three Years to Dec 2021



- AB (AllianceBernstein) - AB Sustainable Global Thematic Composite
- Remaining Product Universe
- Columbia Threadneedle Investments EMEA APAC - Threadneedle Global Equities (Focus) Composite (14216)
- Janus Henderson Investors - Janus Henderson Global Research Growth Equity
- BNY Mellon Investment Management EMEA Limited - BNY Mellon Global Leaders Fund
- Invesco Ltd. - Global Select Equity

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## IQ Scores : - Benchmark: MSCI WORLD US\$ - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	AB (AllianceBernstein)	AB Sustainable Global Thematic Composite	13.25	1.99	0.36	63.89	-0.33	0.87	6.67	USD
2	Columbia Threadneedle Investments EMEA APAC	Threadneedle Global Equities (Focus) Composite (14216)	10.37	1.83	0.32	61.11	-0.71	0.77	5.67	USD
3	Janus Henderson Investors	Janus Henderson Global Research Growth Equity	7.71	1.93	0.21	63.89	-0.52	0.74	4.00	USD
4	BNY Mellon Investment Management EMEA Limited	BNY Mellon Global Leaders Fund	5.37	1.26	0.48	50.00	-0.60	0.68	4.25	USD
5	Invesco Ltd.	Global Select Equity	12.72	1.00	0.36	58.33	-1.39	0.66	12.72	USD
6	Walter Scott & Partners Limited	Walter Scott Concentrated Global Composite (USD)	5.09	1.25	0.43	50.00	-0.79	0.63	4.07	USD
7	Sands Capital Management LLC	Global Growth Equity Separate Account	9.81	1.02	-0.75	69.44	-0.87	0.62	9.61	USD
8	American Century Investments	Global Concentrated Growth Composite	8.67	1.56	0.04	63.89	-1.56	0.59	5.55	USD
9	TCW	TCW Global Premier ESG Equities	6.16	0.86	0.21	55.56	-0.82	0.58	7.18	USD
10	MFS Investment Management	MFS Global Growth Concentrated Equity	3.82	0.79	0.32	50.00	-1.92	0.44	4.81	USD
11	Putnam Investments	Putnam Global Health Care	1.06	0.10	0.50	44.44	-2.07	0.39	10.88	USD
12	GQG Partners LLC	GQG Partners Global Equity Total Composite	-3.24	-0.41	-0.20	47.22	-1.46	0.27	7.96	USD
13	Mackenzie Investments	Mackenzie Global Large Cap Quality Growth - Composite USD	-11.69	-1.60	0.64	25.00	-5.02	0.24	7.30	USD
14	Eric Sturdza Investments	Strategic Global Quality Fund	-9.43	-1.14	0.27	36.11	-3.24	0.22	8.28	USD
15	EFG Asset Management Limited	New Capital Global Equity Income Fund	-8.68	-1.25	-0.10	38.89	-2.49	0.18	6.93	USD
16	BlackRock	BGF Global Equity Income Fund	-9.36	-1.63	-0.45	41.67	-1.47	0.17	5.75	USD

Selection Criteria - Management Approach: Active Geographical Focus: Global Asset Type: EQUITY Style: Growth Size: Large Cap

# Global Equity - Value All Cap (USD)

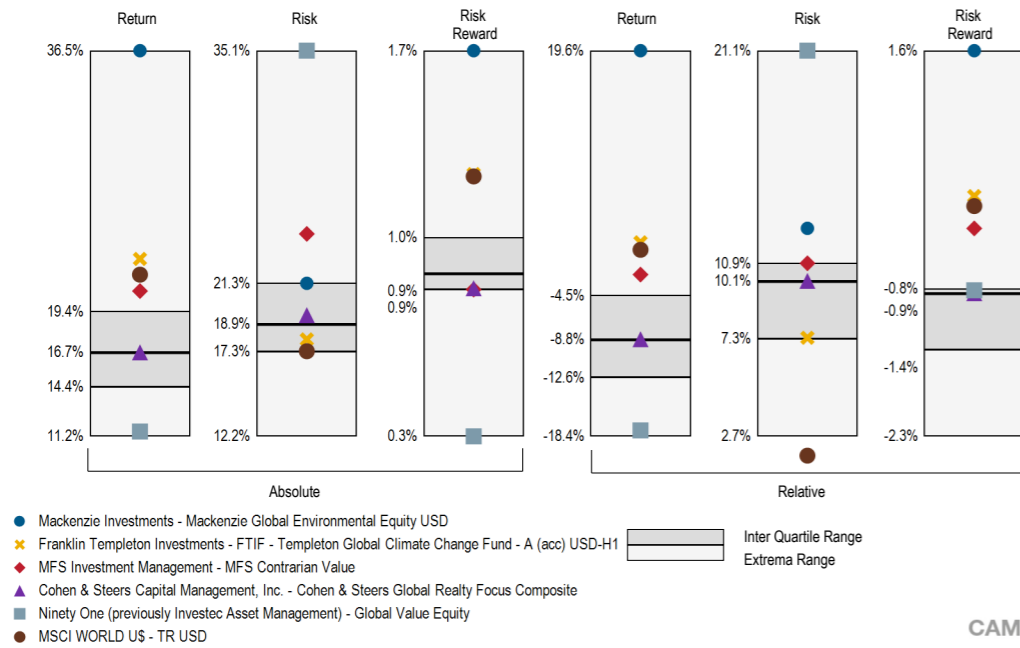
## Three Year Returns :

### Global Equity - Value All Cap (USD)

Data 13 products

Benchmark MSCI WORLD US\$ - TR USD

Period Three Years to Dec 2021



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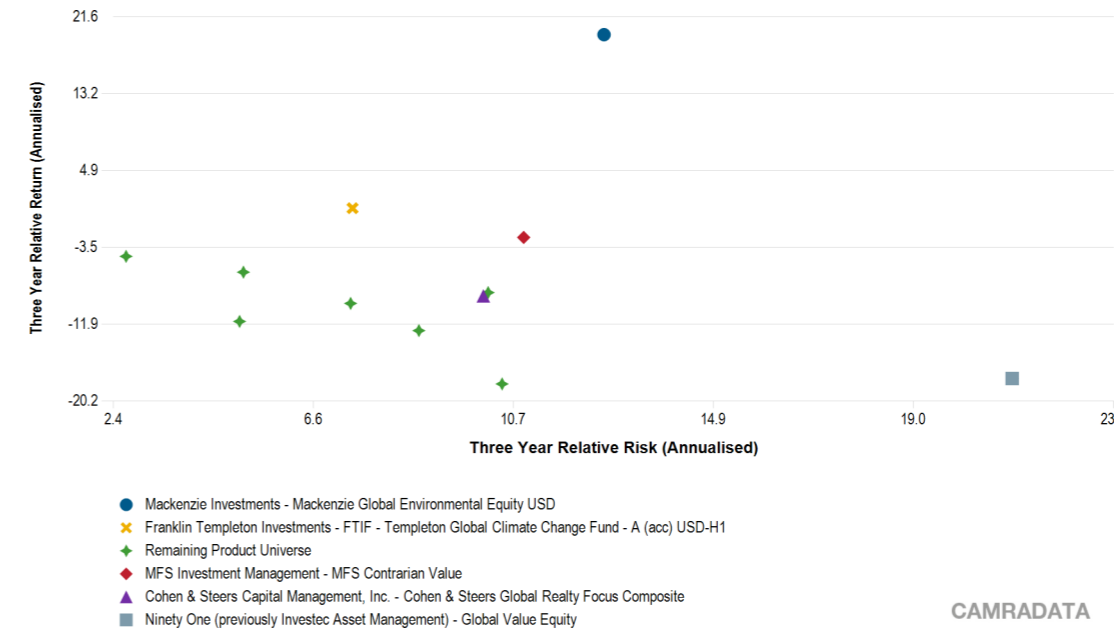
## Three Year Relative Risk Return :

### Global Equity - Value All Cap (USD)

Data 13 products

Benchmark MSCI WORLD US\$ - TR USD

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: MSCI WORLD US\$ - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Mackenzie Investments	Mackenzie Global Environmental Equity USD	19.62	1.56	1.68	52.78	-0.51	0.87	12.60	USD
2	Franklin Templeton Investments	FTIF - Templeton Global Climate Change Fund - A (acc) USD-H1	0.74	0.10	-0.10	52.78	-0.60	0.76	7.37	USD
3	MFS Investment Management	MFS Contrarian Value	-2.44	-0.22	0.01	50.00	-1.27	0.73	10.93	USD
4	Cohen & Steers Capital Management, Inc.	Cohen & Steers Global Realty Focus Composite	-8.80	-0.87	0.27	38.89	-1.76	0.51	10.09	USD
5	Ninety One (previously Investec Asset Management)	Global Value Equity	-17.79	-0.84	-1.21	52.78	-1.31	0.47	21.09	USD
6	T. Rowe Price Group, Inc.	Global Value Equity Composite	-6.22	-1.22	-0.27	44.44	-2.39	0.44	5.10	USD
7	Allianz Global Investors	AllianzGI High Dividend Global Composite	-4.50	-1.69	-0.19	41.67	-2.35	0.41	2.66	USD
8	Sanlam Investments UK	Catalyst Global Real Estate UCITS Fund	-8.44	-0.83	-1.00	52.78	-2.44	0.41	10.19	USD
9	Boston Partners Global Investors, Inc.	Boston Partners Global Equity	-9.62	-1.31	0.66	30.56	-3.51	0.33	7.33	USD
10	Wellington Management Company LLP	Enduring Assets Separate Account/Composite	-12.58	-1.44	-0.57	41.67	-1.68	0.33	8.75	USD

Selection Criteria - Management Approach: Active Geographical Focus: Global Asset Type: EQUITY Style: Value Size: All Cap

# Global Government Debt (USD)

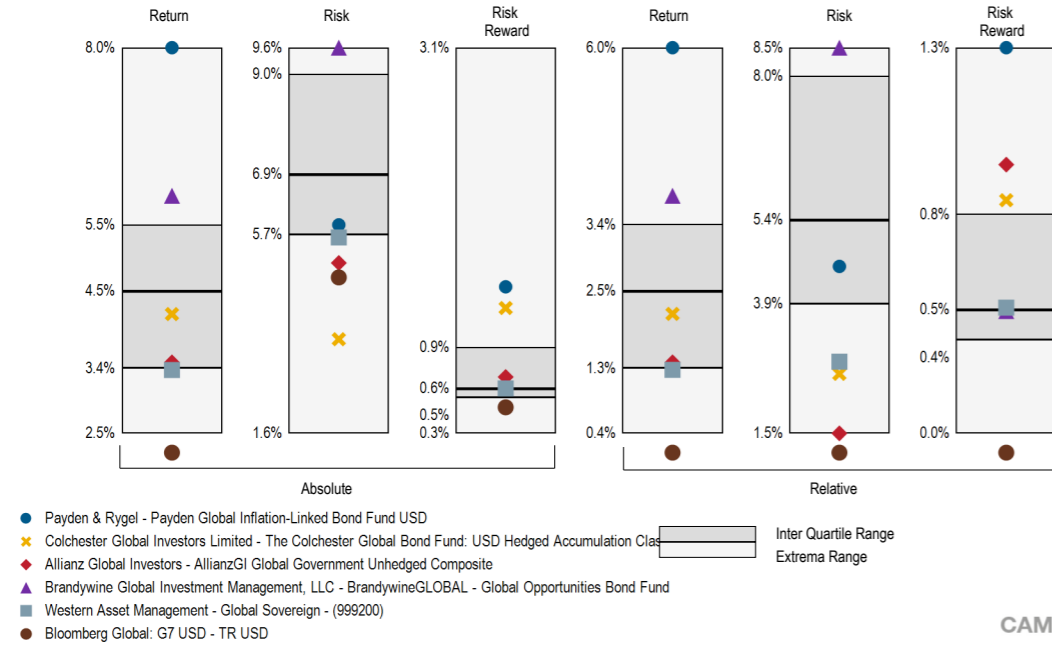
## Three Year Returns :

### Global Government Debt (USD)

Data 14 products

Benchmark Bloomberg Global: G7 USD - TR USD

Period Three Years to Dec 2021



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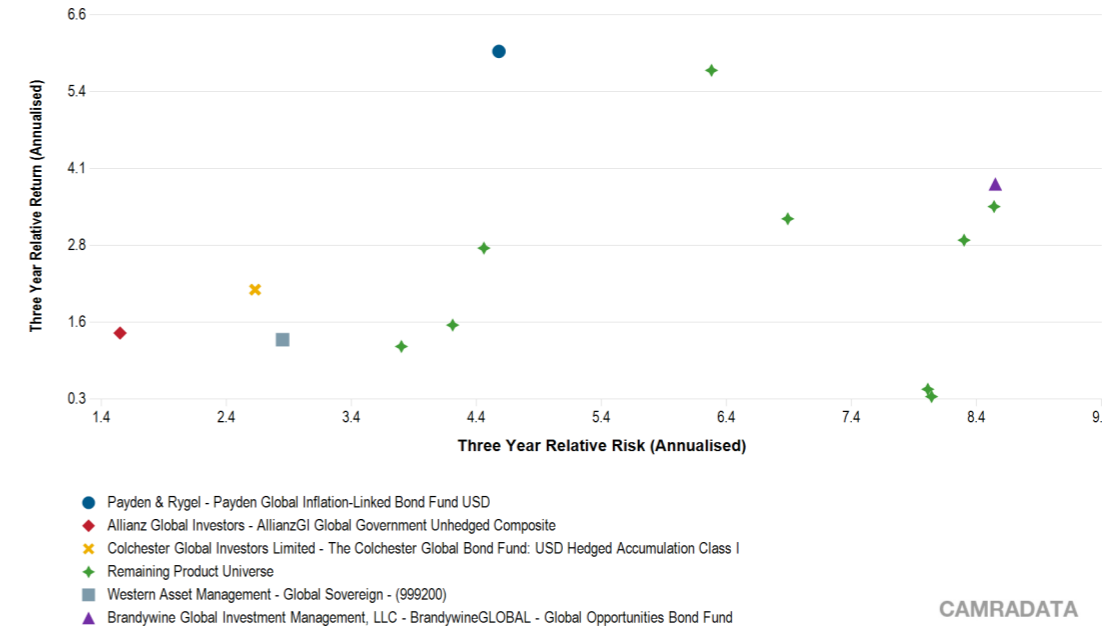
## Three Year Relative Risk Return :

### Global Government Debt (USD)

Data 14 products

Benchmark Bloomberg Global: G7 USD - TR USD

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: Bloomberg Global: G7 USD - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Payden & Rygel	Payden Global Inflation-Linked Bond Fund USD	6.02	1.33	0.36	63.89	-0.21	0.88	4.53	USD
2	Colchester Global Investors Limited	The Colchester Global Bond Fund: USD Hedged Accumulation Class I	2.12	0.82	0.06	61.11	-0.41	0.65	2.58	USD
3	Allianz Global Investors	AllianzGI Global Government Unhedged Composite	1.41	0.94	0.22	50.00	-0.27	0.59	1.50	USD
4	Brandywine Global Investment Management, LLC	BrandywineGLOBAL - Global Opportunities Bond Fund	3.85	0.45	-0.16	61.11	-1.03	0.56	8.50	USD
5	Western Asset Management	Global Sovereign - (999200)	1.30	0.46	0.08	55.56	-0.61	0.49	2.80	USD
6	AXA Investment Managers	AXA WF Global Inflation Short Duration Bonds_I USD	2.80	0.63	0.42	50.00	-1.18	0.47	4.41	USD
7	Franklin Templeton Investments	Franklin Global Government Composite	1.19	0.32	-0.22	63.89	-1.34	0.31	3.75	USD

Selection Criteria - Management Approach: Active Geographical Focus: Global Asset Type: BOND Strategy Type: Government Style: Absolute Return, Income, Index Linked, N/A

# Global High Yield (USD)

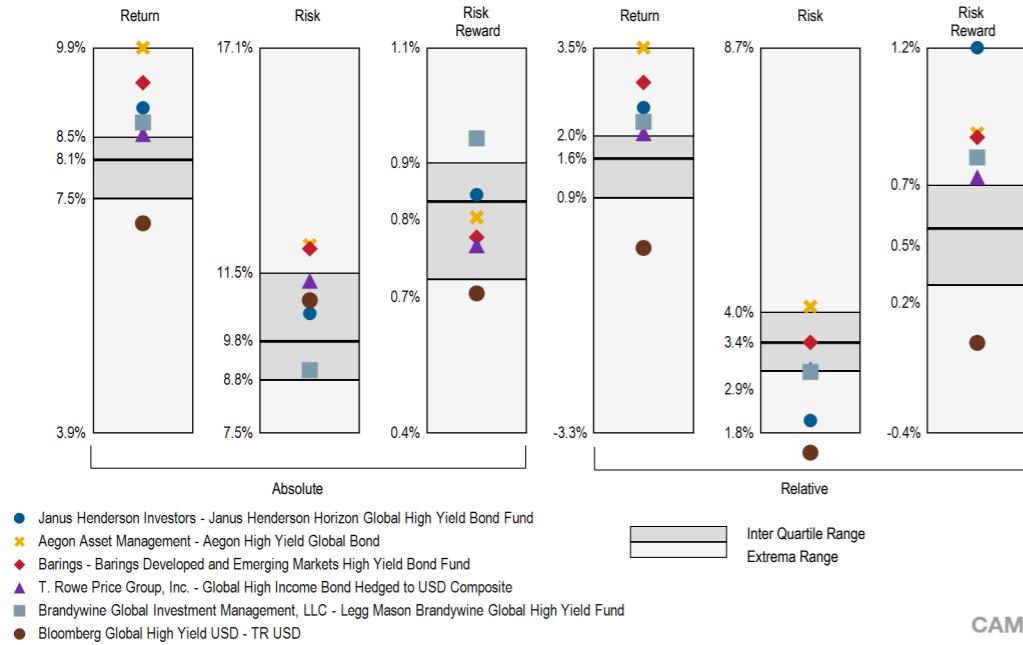
## Three Year Returns :

### Global High Yield (USD)

Data 46 products

Benchmark Bloomberg Global High Yield USD - TR USD

Period Three Years to Dec 2021



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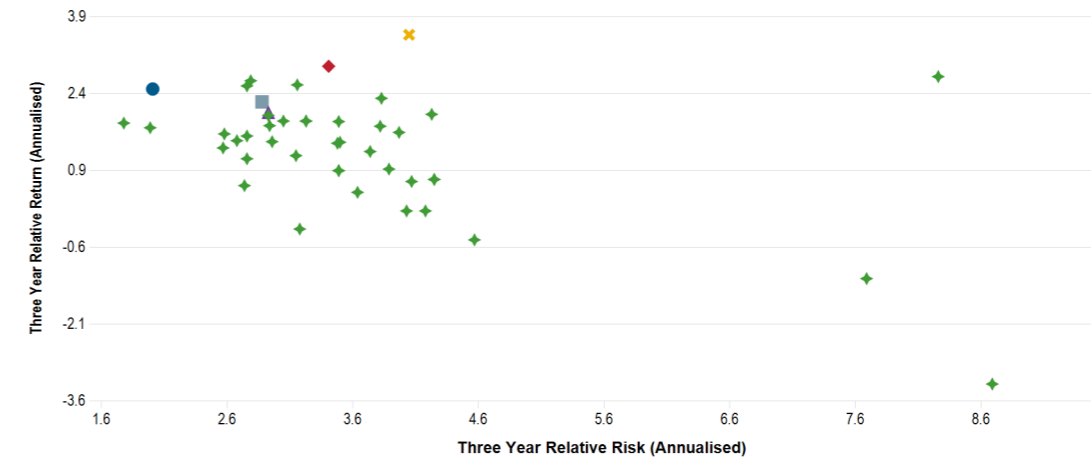
## Three Year Relative Risk Return :

### Global High Yield (USD)

Data 46 products

Benchmark Bloomberg Global High Yield USD - TR USD

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: Bloomberg Global High Yield USD - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Janus Henderson Investors	Janus Henderson Horizon Global High Yield Bond Fund	2.46	1.22	0.12	61.11	-0.31	0.84	2.02	USD
2	Aegon Asset Management	Aegon High Yield Global Bond	3.51	0.86	-0.10	66.67	-0.26	0.80	4.06	USD
3	Barings	Barings Developed and Emerging Markets High Yield Bond Fund	2.90	0.85	0.02	63.89	-0.76	0.78	3.42	USD
4	T. Rowe Price Group, Inc.	Global High Income Bond Hedged to USD Composite	2.01	0.68	0.14	55.56	-0.18	0.73	2.94	USD
5	Brandywine Global Investment Management, LLC	Legg Mason Brandywine Global High Yield Fund	2.21	0.76	0.27	50.00	0.05	0.71	2.89	USD
6	Principal Global Investors	Global High Yield Composite	2.54	0.80	0.23	52.78	-0.64	0.70	3.17	USD
7	Wellington Management Company LLP	Global High Yield Separate Account/Composite	1.80	1.01	0.16	55.56	-0.78	0.69	1.79	USD
8	Vontobel Asset Management	Vontobel Fund - Global High Yield Bond USD	1.83	0.52	-0.06	61.11	-0.47	0.68	3.50	USD
9	Legal & General Investment Management	Global High Yield BB & B Rated (GIPS composite)	2.70	0.33	0.10	55.56	-0.60	0.62	8.27	USD
10	Morgan Stanley Investment Management	Morgan Stanley Global High Yield Composite	1.41	0.40	-0.29	69.44	-0.50	0.62	3.49	USD
11	PineBridge Investments	PineBridge Global Opportunistic DM Credit Composite	1.84	0.57	0.14	52.78	-0.52	0.61	3.24	USD
12	Eaton Vance Management (International) Limited	EVI (Ireland) Global High Yield Bond Fund	1.84	0.60	-0.01	58.33	-1.04	0.56	3.06	USD
13	Mirabaud Asset Management Ltd	Mirabaud - Global High Yield Bonds I cap. USD	1.46	0.54	0.04	55.56	-0.65	0.53	2.69	USD
14	AB (AllianceBernstein)	AB Global High Income - Hedged (Composite)	1.17	0.37	-0.39	72.22	-0.80	0.50	3.16	USD
15	abrdn	Global High Yield Bond Fund	1.32	0.51	-0.02	58.33	-0.95	0.50	2.58	USD
16	Allianz Global Investors	AllianzGI Global High Yield	1.59	0.61	0.06	55.56	-1.16	0.48	2.59	USD
17	Amundi Asset Management	Amundi Funds Global High Yield Bond	1.25	0.33	-0.09	61.11	-1.08	0.46	3.75	USD
18	Aviva Investors Global Services Limited	Aviva Investors Global High Yield Bond Fund I USD	1.55	0.56	0.13	52.78	-1.52	0.42	2.77	USD
19	AXA Investment Managers	AXA WF Global High Yield Bonds_I USD	1.43	0.41	-0.02	55.56	-0.98	0.40	3.51	USD
20	MFS Investment Management	MFS Global High Yield Fixed Income	1.44	0.48	-0.06	58.33	-1.36	0.40	2.97	USD

Selection Criteria - Management Approach: Active Geographical Focus: Global Asset Type: BOND Strategy Type: Asset / Mortgage Backed, Broad Bond, Corporate, Convertible, Distressed Debt, Government, Gov/Corp, Gov/Corp > 50, Gov/Corp < 50, Money Market, Municipals - Taxable, TIPS, Sovereigns, Core, Duration, Municipals - Tax-Preferred Style: High Yield

# Global Multi Asset (GBP)

## Three Year Returns :

### Global Multi Asset (GBP)

Data 93 products

Benchmark IBA GBP IBK. LIBOR 3M DELAYED - TR GBP

Period Three Years to Dec 2021



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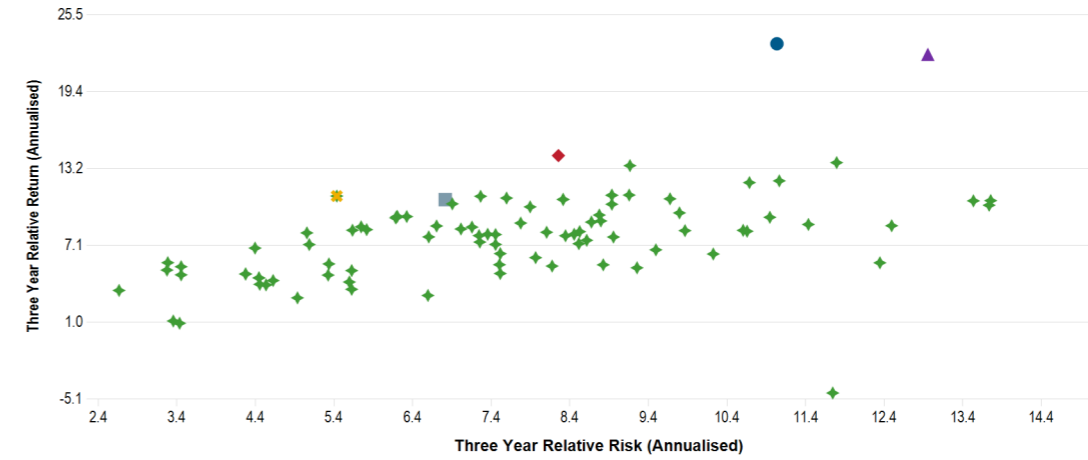
## Three Year Relative Risk Return :

### Global Multi Asset (GBP)

Data 93 products

Benchmark IBA GBP IBK. LIBOR 3M DELAYED - TR GBP

Period Three Years to Dec 2021



● Royal London Asset Management - Royal London Sustainable World Trust  
 ▲ Baillie Gifford & Co. - Baillie Gifford Managed Fund  
 ◆ Man Group plc - Man AHL TargetRisk I H GBP  
 ◆ Remaining Product Universe  
 ★ Troy Asset Management Limited - Trojan Fund  
 ■ Ruffer LLP - Ruffer SICAV Total Return International

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## IQ Scores : - Benchmark: IBA GBP IBK. LIBOR 3M DELAYED - TR GBP

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Royal London Asset Management	Royal London Sustainable World Trust	23.16	2.10	1.13	72.22	0.69	0.88	11.01	GBP
2	Troy Asset Management Limited	Trojan Fund	11.04	2.04	0.13	77.78	0.89	0.81	5.41	GBP
3	Man Group plc	Man AHL TargetRisk I H GBP	14.26	1.73	0.78	69.44	-0.13	0.80	8.23	GBP
4	Baillie Gifford & Co.	Baillie Gifford Managed Fund	22.32	1.73	1.53	66.67	-0.09	0.79	12.93	GBP
5	Ruffer LLP	Ruffer SICAV Total Return International	10.76	1.58	0.91	63.89	0.49	0.75	6.79	GBP
6	Waverton Investment Management	Waverton Multi-Asset Growth Fund	13.46	1.47	0.78	66.67	-0.16	0.74	9.14	GBP
7	Janus Henderson Investors	Janus Henderson Horizon Global Multi-Asset Fund	9.42	1.52	0.19	75.00	-0.31	0.71	6.18	GBP
8	Vontobel Asset Management	Vontobel Fund II - Vescore Active Beta Opportunities GBP	8.11	1.61	-0.16	77.78	0.53	0.70	5.03	GBP
9	Columbia Threadneedle Investments EMEA APAC	Threadneedle Pensions Multi Asset Fund (TPNMAF)	10.88	1.44	0.29	72.22	-0.41	0.69	7.57	GBP
10	iM Global Partner	Multi-Asset Absolute Return GBP	5.42	1.58	-0.11	80.56	0.44	0.69	3.43	GBP
11	Falcon Money Management Limited	Falcon Money Management Funds RAIF- SICAV (GBP)	5.74	1.76	0.36	72.22	0.01	0.68	3.26	GBP
12	J.P. Morgan Asset Management	JPM Global Macro Opportunities Fund (OEIC)	6.90	1.58	0.32	69.44	0.36	0.65	4.37	GBP
13	Sanlam Investments UK	Sanlam Multi-Strategy Fund	8.59	1.50	-0.28	77.78	-0.19	0.64	5.72	GBP
14	Nordea Asset Management	Stable Return Composite (GBP)	8.32	1.48	-0.21	77.78	-0.21	0.63	5.61	GBP
15	abrdn	abrdn Life Multi-Asset Fund	13.70	1.16	0.14	69.44	-0.46	0.63	11.77	GBP
16	Invesco Ltd.	Invesco Balanced-Risk Allocation Composite	10.18	1.29	0.69	63.89	-0.53	0.61	7.87	GBP
17	Lombard Odier Investment Managers	All Roads, Syst. Hdg., (GBP) N A	7.18	1.42	0.35	66.67	0.12	0.61	5.06	GBP
18	BlackRock	BIJF Dynamic Diversified Growth Fund	8.37	1.45	0.31	69.44	-0.44	0.61	5.79	GBP
19	Fulcrum Asset Management LLP	Fulcrum Diversified Growth Strategy	10.77	1.30	-0.54	77.78	-0.57	0.60	8.29	GBP
20	AB (AllianceBernstein)	Dynamic Diversified Beta	12.11	1.14	0.51	66.67	-0.70	0.59	10.66	GBP

Selection Criteria - Management Approach: Active Geographical Focus: Global Asset Type: MULTI



# Global Multi Asset (USD)

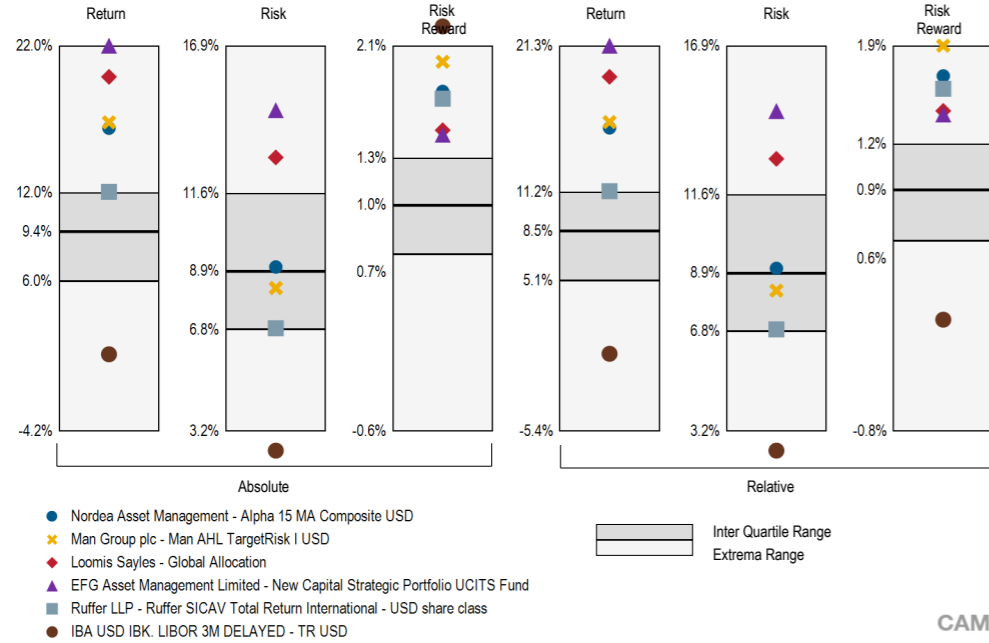
## Three Year Returns :

### Global Multi Asset (USD)

Data 54 products

Benchmark IBA USD IBK. LIBOR 3M DELAYED - TR USD

Period Three Years to Dec 2021



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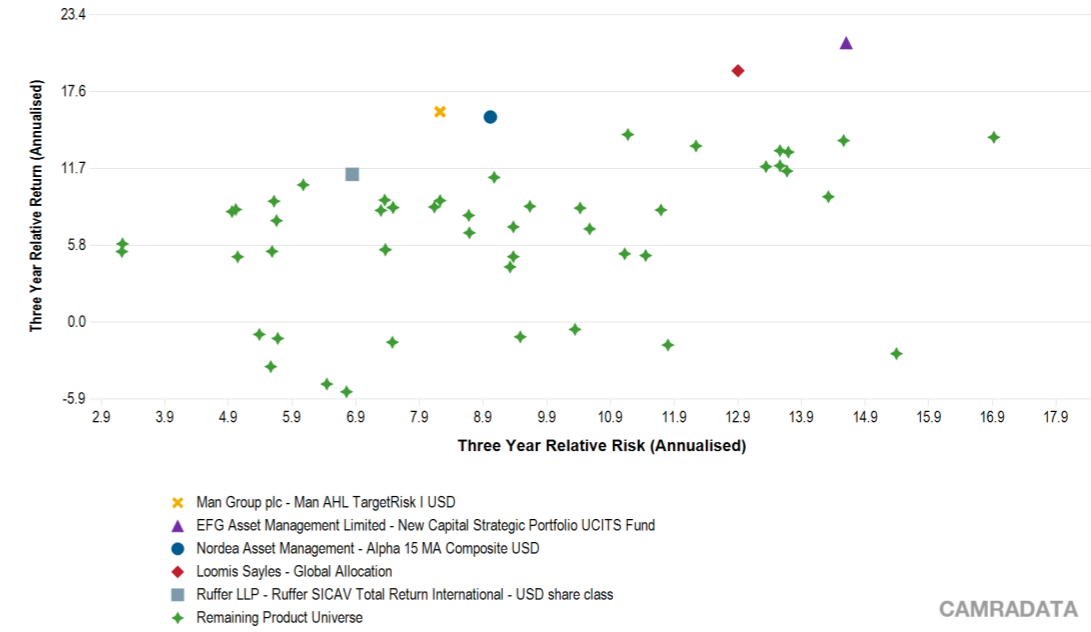
## Three Year Relative Risk Return :

### Global Multi Asset (USD)

Data 54 products

Benchmark IBA USD IBK. LIBOR 3M DELAYED - TR USD

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: IBA USD IBK. LIBOR 3M DELAYED - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Nordea Asset Management	Alpha 15 MA Composite USD	15.61	1.73	0.76	69.44	0.72	0.85	9.02	USD
2	Man Group plc	Man AHL TargetRisk I USD	16.01	1.95	1.01	69.44	0.11	0.85	8.23	USD
3	Loomis Sayles	Global Allocation	19.14	1.48	0.26	72.22	-0.29	0.78	12.91	USD
4	EFG Asset Management Limited	New Capital Strategic Portfolio UCITS Fund	21.29	1.46	-0.04	75.00	-0.40	0.76	14.61	USD
5	Ruffer LLP	Ruffer SICAV Total Return International - USD share class	11.23	1.64	0.94	63.89	0.51	0.75	6.85	USD
6	Vontobel Asset Management	Vontobel Fund II - Vescore Active Beta Opportunities USD	8.55	1.70	-0.11	77.78	0.59	0.75	5.02	USD
7	Falcon Money Management Limited	Falcon Money Management Funds RAIF- SICAV	5.93	1.83	0.30	75.00	0.04	0.75	3.24	USD
8	MFS Investment Management	MFS Prudent Capital	9.18	1.63	0.14	72.22	0.47	0.72	5.62	USD
9	Lombard Odier Investment Managers	LOF - All Roads Syst Hdg (USD) NA	8.39	1.69	0.38	69.44	0.38	0.71	4.96	USD
10	Amundi Asset Management	Amundi Funds Global Multi-Asset Target Income	9.27	1.26	0.13	72.22	-0.49	0.66	7.36	USD
11	Invesco Ltd.	Global Allocation	14.27	1.28	-0.31	75.00	-0.66	0.66	11.18	USD
12	AB (AllianceBernstein)	AB Dynamic Asset Allocation Moderate Growth Composite	11.00	1.21	-0.54	75.00	-0.37	0.64	9.08	USD
13	Sanlam Investments UK	Sanlam Multi-Strategy I USD	7.70	1.36	-0.21	75.00	-0.24	0.64	5.66	USD
14	BlackRock	BGF Global Multi-Asset Income Fund	9.23	1.12	-0.90	80.56	-0.55	0.61	8.23	USD
15	Federated Hermes, Inc.	Federated Hermes Global Asset Allocation Composite	13.40	1.09	-0.02	69.44	-0.71	0.60	12.25	USD
16	Wellington Management Company LLP	Opportunistic Investment US Pools/Composite	13.81	0.95	0.21	66.67	-0.72	0.60	14.57	USD
17	Columbia Threadneedle Investments EMEA APAC	Threadneedle (Lux) Global Dynamic Real Return Fund (SVGAFF)	8.70	1.16	0.50	63.89	-0.53	0.60	7.49	USD
18	abrdn	Aberdeen Standard SICAV I - Diversified Income Fund	8.74	1.07	-0.72	77.78	-0.65	0.57	8.14	USD
19	Coronation Fund Managers Limited	Coronation Global Managed Fund	11.89	0.88	-0.16	66.67	-0.52	0.56	13.57	USD
20	Allianz Global Investors	Unconstrained Multi Asset Strategy Composite USD	8.66	0.83	0.41	61.11	-0.48	0.55	10.43	USD

Selection Criteria - Management Approach: Active Geographical Focus: Global Asset Type: MULTI

# Japanese Equity (JPY)

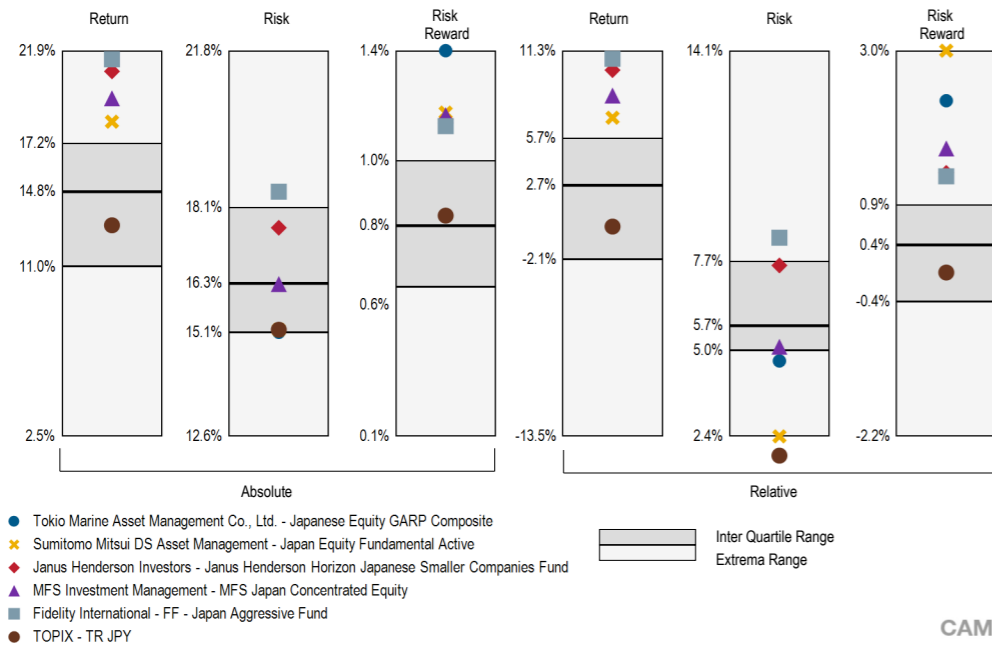
## Three Year Returns :

### Japanese Equity (JPY)

Data 40 products

Benchmark TOPIX - TR JPY

Period Three Years to Dec 2021



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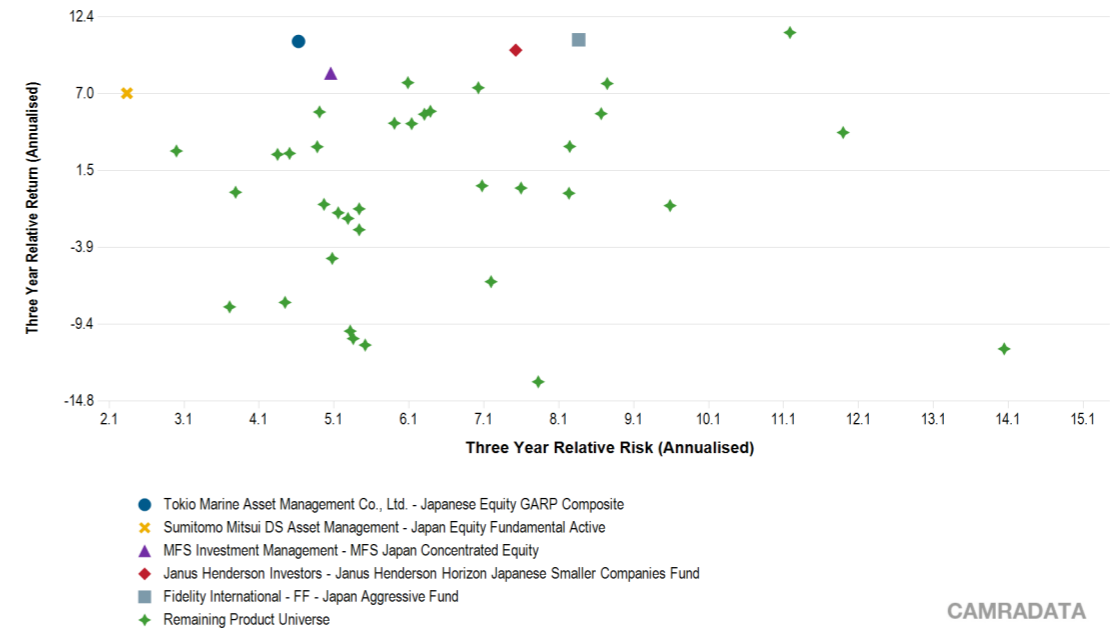
## Three Year Relative Risk Return :

### Japanese Equity (JPY)

Data 40 products

Benchmark TOPIX - TR JPY

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: TOPIX - TR JPY

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Tokio Marine Asset Management Co., Ltd.	Japanese Equity GARP Composite	10.68	2.30	0.31	69.44	0.12	0.90	4.65	JPY
2	Sumitomo Mitsui DS Asset Management	Japan Equity Fundamental Active	7.00	2.97	0.58	61.11	1.26	0.88	2.36	JPY
3	Janus Henderson Investors	Janus Henderson Horizon Japanese Smaller Companies Fund	10.06	1.33	0.50	61.11	0.18	0.87	7.55	JPY
4	MFS Investment Management	MFS Japan Concentrated Equity	8.43	1.66	0.21	66.67	0.19	0.86	5.08	JPY
5	Fidelity International	FF - Japan Aggressive Fund	10.79	1.29	0.93	55.56	-0.03	0.84	8.39	JPY
6	Asset Management One International Ltd.	Japan Growth Strategies (Japan Growth Core)	11.31	1.01	0.94	55.56	-0.33	0.82	11.21	JPY
7	Nomura Asset Management	Nomura - Japan Equity strategy	7.75	1.27	0.00	66.67	-1.33	0.70	6.11	JPY
8	abrdn	Aberdeen Standard SICAV I - Japanese Equity Fund	5.67	1.15	-0.08	66.67	-0.66	0.69	4.93	JPY
9	BNY Mellon Investment Management EMEA Limited	BNY Mellon Japan Small Cap Equity Focus Fund	5.55	0.64	0.42	55.56	-0.58	0.69	8.69	JPY
10	Wellington Management Company LLP	Japan Contrarian Equity Separate Account/Composite	4.84	0.79	0.21	58.33	-0.64	0.67	6.16	JPY
11	Baillie Gifford & Co.	Baillie Gifford Japan All Cap Composite (JPY)	5.51	0.87	0.86	47.22	-0.87	0.66	6.33	JPY
12	T. Rowe Price Group, Inc.	Japan Equity Composite (JPY)	5.72	0.89	0.03	61.11	-1.75	0.60	6.41	JPY
13	Allianz Global Investors	Japanese Equity Composite	2.66	0.61	-0.01	58.33	-0.40	0.60	4.37	JPY
14	Eric Sturdza Investments	Strategic Japan Opportunities Fund	3.22	0.39	0.25	52.78	-1.48	0.52	8.27	JPY
15	Invesco Ltd.	Invesco Japanese Value Equity Fund	-0.03	-0.01	-0.45	63.89	-0.98	0.48	3.81	JPY
16	Redwheel	RWC Funds - RWC Nissay Japan Focus Fund	4.21	0.35	-0.33	58.33	-1.96	0.44	11.92	JPY
17	Franklin Templeton Investments	FTIF - Franklin Japan Fund - A(acc)JPY	-0.89	-0.18	0.01	47.22	-1.67	0.36	4.99	JPY
18	Banque de Luxembourg Investments S.A.	BL-Equities Japan BI	-1.49	-0.29	-0.31	52.78	-1.31	0.33	5.18	JPY
19	iM Global Partner	Japan Opportunities	-1.21	-0.22	-0.14	50.00	-2.78	0.28	5.46	JPY
20	Amundi Asset Management	Amundi Funds Equity Japan Target	-6.38	-0.88	-0.01	38.89	-1.63	0.27	7.22	JPY

Selection Criteria - Management Approach: Active Geographical Focus: Japan Asset Type: EQUITY

# MSFI - Absolute Return (EUR)

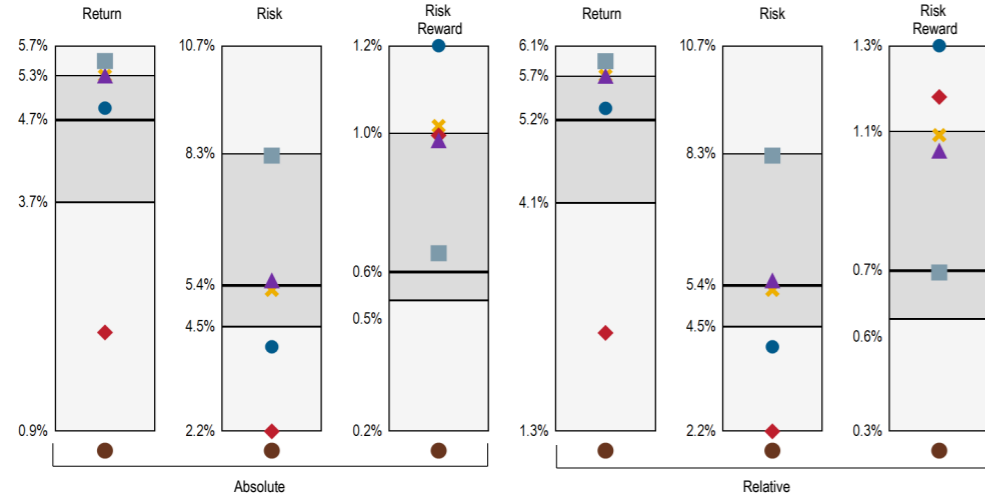
## Three Year Returns :

### MSFI - Absolute Return (EUR)

Data 12 products

Benchmark IBA EUR IBK. LIBOR 3M DELAYED - TR EUR

Period Three Years to Dec 2021



- Invesco Ltd. - Invesco Global Total Return (EUR) Bond Fund
  - ✕ Lombard Odier Investment Managers - LO Selection- The Global Fixed Income Opportunities EUR I A
  - ◆ Union Bancaire Privée, UBP SA - UBAM - Absolute Return Fixed Income
  - ▲ M&G Investments - M&G Alpha Opportunities Fund (A EUR Share Class)
  - Vontobel Asset Management - Vontobel Fund – Absolute Return Bond
  - IBA EUR IBK. LIBOR 3M DELAYED - TR EUR
- Inter Quartile Range  
Extrema Range

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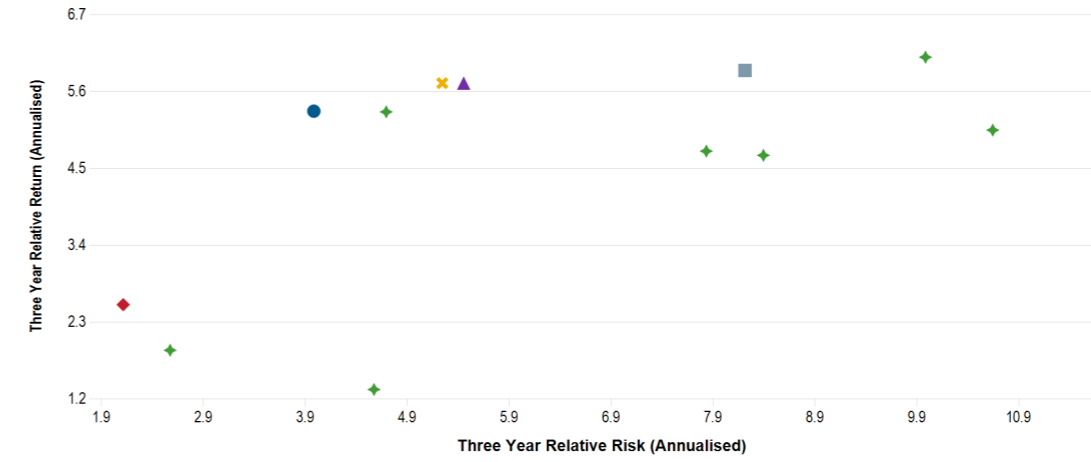
## Three Year Relative Risk Return :

### MSFI - Absolute Return (EUR)

Data 12 products

Benchmark IBA EUR IBK. LIBOR 3M DELAYED - TR EUR

Period Three Years to Dec 2021



- Invesco Ltd. - Invesco Global Total Return (EUR) Bond Fund
- ◆ Remaining Product Universe
- ✕ Lombard Odier Investment Managers - LO Selection- The Global Fixed Income Opportunities EUR I A
- ◆ Union Bancaire Privée, UBP SA - UBAM - Absolute Return Fixed Income
- ▲ M&G Investments - M&G Alpha Opportunities Fund (A EUR Share Class)
- Vontobel Asset Management - Vontobel Fund – Absolute Return Bond

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## IQ Scores : - Benchmark: IBA EUR IBK. LIBOR 3M DELAYED - TR EUR

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Invesco Ltd.	Invesco Global Total Return (EUR) Bond Fund	5.30	1.32	0.00	77.78	0.36	0.72	4.02	EUR
2	Lombard Odier Investment Managers	LO Selection- The Global Fixed Income Opportunities EUR I A	5.70	1.08	0.00	75.00	-0.03	0.69	5.28	EUR
3	Union Bancaire Privée, UBP SA	UBAM - Absolute Return Fixed Income	2.54	1.18	-0.06	77.78	-0.06	0.62	2.15	EUR
4	M&G Investments	M&G Alpha Opportunities Fund (A EUR Share Class)	5.70	1.04	-0.46	80.56	-0.46	0.58	5.49	EUR
5	Vontobel Asset Management	Vontobel Fund – Absolute Return Bond	5.88	0.71	-1.27	83.33	-0.37	0.58	8.25	EUR
6	Marsham Investment Management LLP	Marsham EURO Transitional Issuers Fixed Income Composite	6.07	0.61	-0.33	69.44	-0.52	0.46	10.02	EUR
7	Insight Investment	Bonds Plus (EUR)	1.89	0.72	-0.12	69.44	-0.23	0.45	2.61	EUR
8	Amundi Asset Management	Amundi Funds Absolute Return Credit	4.73	0.60	-1.18	80.56	-0.63	0.35	7.87	EUR
9	NN Investment Partners Holdings N.V	NN (L) First Class Yield Opportunities	4.67	0.55	0.07	63.89	-0.70	0.32	8.43	EUR

Selection Criteria - Management Approach: Active Geographical Focus: Global Asset Type: BOND Strategy Type: Broad Bond Style: Absolute Return

# MSFI - Absolute Return (GBP)

## Three Year Returns :

### MSFI - Absolute Return (GBP)

Data 33 products

Benchmark IBA GBP IBK. LIBOR 3M DELAYED - TR GBP

Period Three Years to Dec 2021



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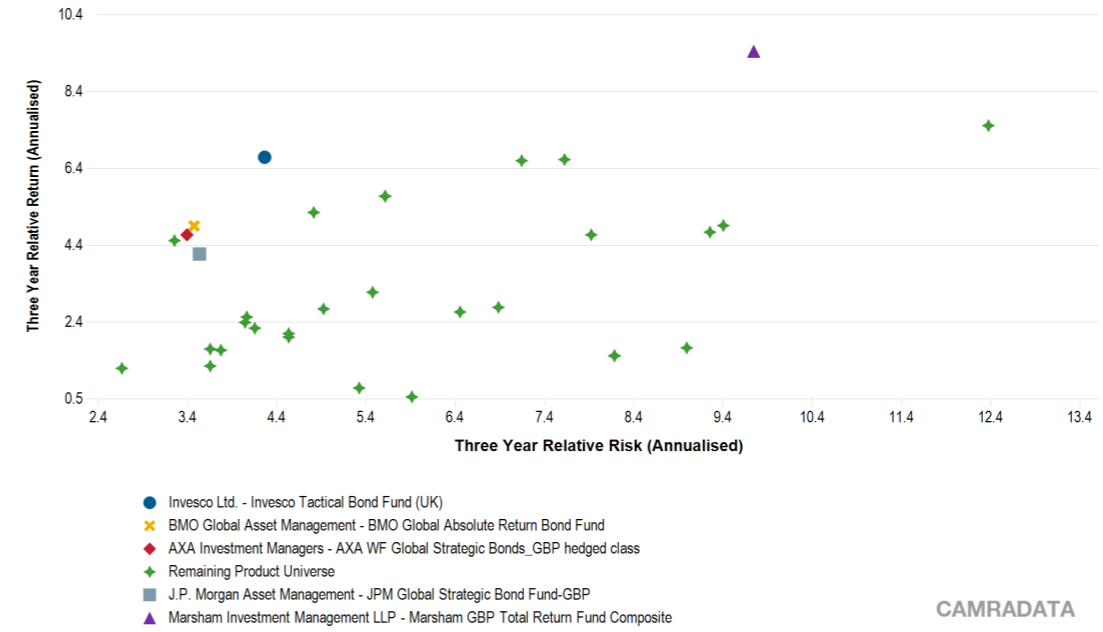
## Three Year Relative Risk Return :

### MSFI - Absolute Return (GBP)

Data 33 products

Benchmark IBA GBP IBK. LIBOR 3M DELAYED - TR GBP

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: IBA GBP IBK. LIBOR 3M DELAYED - TR GBP

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Invesco Ltd.	Invesco Tactical Bond Fund (UK)	6.71	1.58	-0.34	86.11	0.15	0.79	4.24	GBP
2	BMO Global Asset Management	BMO Global Absolute Return Bond Fund	4.93	1.43	-0.48	86.11	0.54	0.74	3.45	GBP
3	AXA Investment Managers	AXA WF Global Strategic Bonds_GBP hedged class	4.70	1.39	0.13	72.22	0.06	0.73	3.37	GBP
4	Marsham Investment Management LLP	Marsham GBP Total Return Fund Composite	9.46	0.97	-0.36	75.00	-0.21	0.70	9.72	GBP
5	J.P. Morgan Asset Management	JPM Global Strategic Bond Fund-GBP	4.20	1.20	0.18	69.44	-0.29	0.69	3.51	GBP
6	M&G Investments	M&G Total Return Credit Investment Fund (C GBP Share Class)	5.28	1.10	-0.25	77.78	-0.43	0.68	4.79	GBP
7	TwentyFour Asset Management LLP	MI TwentyFour Investment Funds - Dynamic Bond Fund	6.65	0.88	-1.46	86.11	-0.33	0.66	7.60	GBP
8	Amundi Asset Management	Amundi Funds Absolute Return Credit - GBP Hedged	4.70	0.59	-1.21	80.56	-0.65	0.52	7.90	GBP
9	TCW	TCW Funds - TCW Unconstrained Bond Fund (UCITS) (IGHG-QD Share Class)	2.78	0.57	-0.19	72.22	-0.64	0.51	4.90	GBP
10	T. Rowe Price Group, Inc.	Dynamic Global Bond Composite (GBP Hedged)	2.57	0.64	0.33	52.78	-0.72	0.50	4.04	GBP
11	Loomis Sayles	Loomis Sayles Strategic Alpha Fund H-N/D (GBP)	3.21	0.59	0.04	63.89	-0.78	0.48	5.45	GBP
12	Stone Harbor Investment Partners LP	Stone Harbor Multi Asset Credit Portfolio (QIF) - I Share GBP	4.94	0.53	-0.16	66.67	-0.85	0.48	9.38	GBP
13	AB (AllianceBernstein)	AB Diversified Yield Plus	2.14	0.47	-0.33	72.22	-0.47	0.46	4.51	GBP
14	Payden & Rygel	Payden Absolute Return Investing (PARI) Composite - GBP	2.82	0.41	-2.15	88.89	-0.70	0.44	6.86	GBP
15	BlackRock	BlackRock Absolute Return Bond Fund	2.28	0.55	-0.21	69.44	-0.76	0.43	4.13	GBP
16	Insight Investment	Bonds Plus (C0041)	1.24	0.47	-0.17	66.67	-0.55	0.38	2.64	GBP
17	NN Investment Partners Holdings N.V	NN (L) First Class Yield Opportunities(GBP)	1.77	0.20	0.36	50.00	-0.90	0.34	8.97	GBP
18	abrdn	Absolute Return Global Bond Strategies Pension Fund	1.74	0.48	-0.01	61.11	-2.08	0.30	3.63	GBP
19	Pictet Asset Management	Pictet-Absolute Return Fixed Income GBP	1.57	0.19	0.52	47.22	-1.37	0.29	8.16	GBP
20	Putnam Investments	Putnam Fixed Income Global Alpha Fund	0.50	0.08	-0.56	66.67	-1.17	0.15	5.89	GBP

Selection Criteria - Management Approach: Active Geographical Focus: Global Asset Type: BOND Strategy Type: Broad Bond Style: Absolute Return

# UK Corporate Debt (GBP)

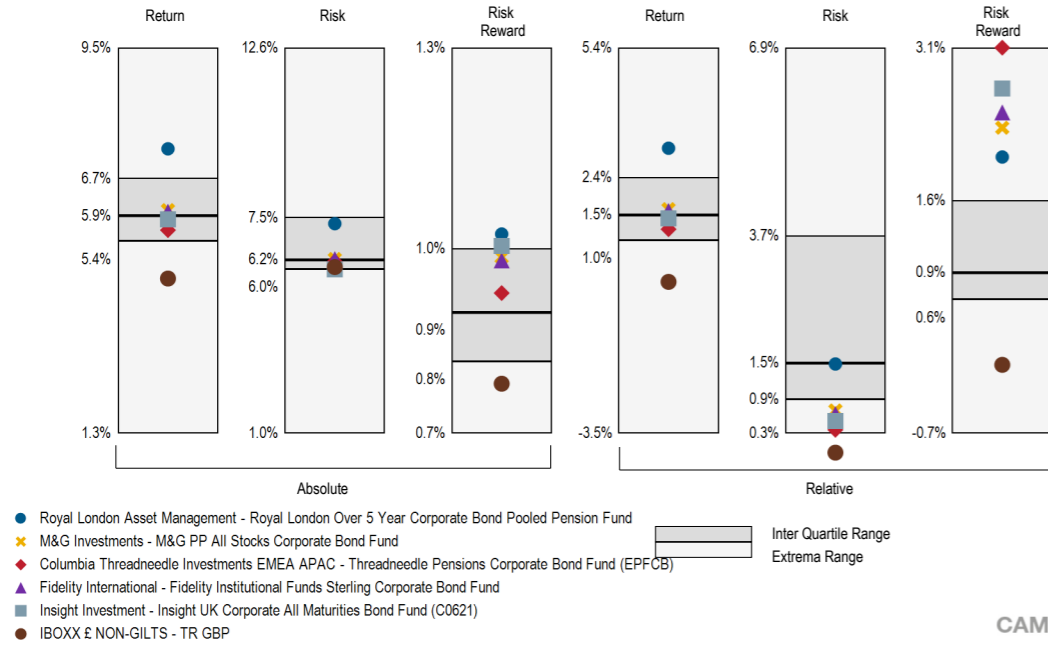
## Three Year Returns :

### UK Corporate Debt (GBP)

Data 38 products

Benchmark IBOXX £ NON-GILTS - TR GBP

Period Three Years to Dec 2021



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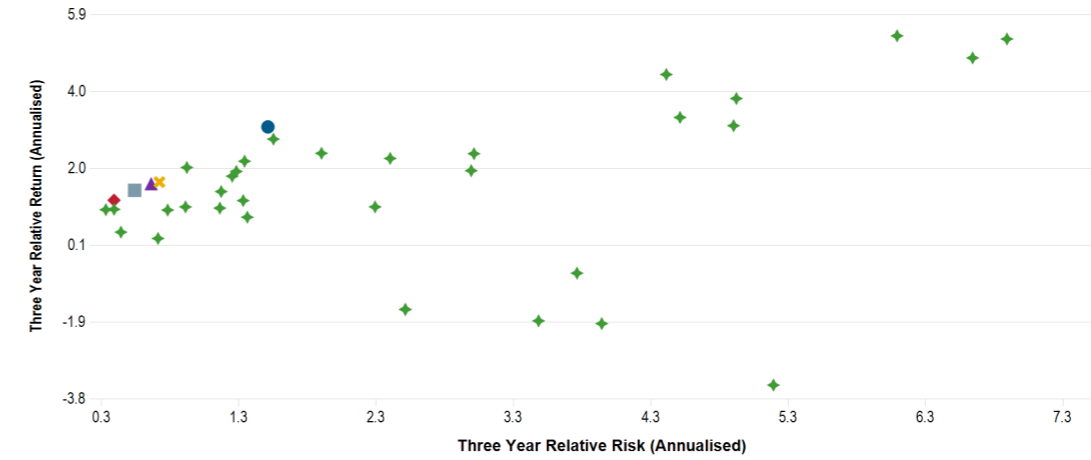
## Three Year Relative Risk Return :

### UK Corporate Debt (GBP)

Data 38 products

Benchmark IBOXX £ NON-GILTS - TR GBP

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: IBOXX £ NON-GILTS - TR GBP

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Royal London Asset Management	Royal London Over 5 Year Corporate Bond Pooled Pension Fund	3.07	2.03	0.15	72.22	0.68	0.78	1.51	GBP
2	M&G Investments	M&G PP All Stocks Corporate Bond Fund	1.67	2.32	0.06	83.33	1.34	0.76	0.72	GBP
3	Columbia Threadneedle Investments EMEA APAC	Threadneedle Pensions Corporate Bond Fund (EPFCB)	1.21	3.10	0.10	75.00	1.66	0.76	0.39	GBP
4	Fidelity International	Fidelity Institutional Funds Sterling Corporate Bond Fund	1.63	2.47	0.12	69.44	1.60	0.74	0.66	GBP
5	Insight Investment	Insight UK Corporate All Maturities Bond Fund (C0621)	1.46	2.70	0.07	77.78	0.59	0.73	0.54	GBP
6	Janus Henderson Investors	Janus Henderson All Stocks Credit Fund	0.97	2.94	0.08	72.22	0.65	0.69	0.33	GBP
7	abrdn	ASI Corporate Bond Fund	1.94	1.52	-0.12	83.33	0.32	0.64	1.28	GBP
8	Aegon Asset Management	Aegon Ethical Corporate Bond	1.01	0.87	-0.01	63.89	-0.34	0.43	1.16	GBP
9	Liontrust Asset Management PLC	Liontrust Sustainable Future Corporate Bond Fund	1.96	0.66	-0.13	66.67	-0.48	0.38	2.99	GBP
10	Franklin Templeton Investments	FTF - Franklin Sterling Corporate Bond Fund - W (acc) GBP	0.78	0.57	0.02	58.33	-0.38	0.34	1.36	GBP
11	Invesco Ltd.	Invesco Corporate Bond Fund (UK)	1.04	0.45	-0.11	61.11	-0.74	0.26	2.29	GBP
12	J.P. Morgan Asset Management	JPM Sterling Corporate Bond Fund	0.24	0.34	0.04	50.00	-1.89	0.21	0.71	GBP

Selection Criteria - Management Approach: Active Geographical Focus: UK Asset Type: BOND Strategy Type: Corporate Style: Absolute Return, Income, Index Linked, N/A

# UK Equity - All Cap (GBP)

## Three Year Returns :

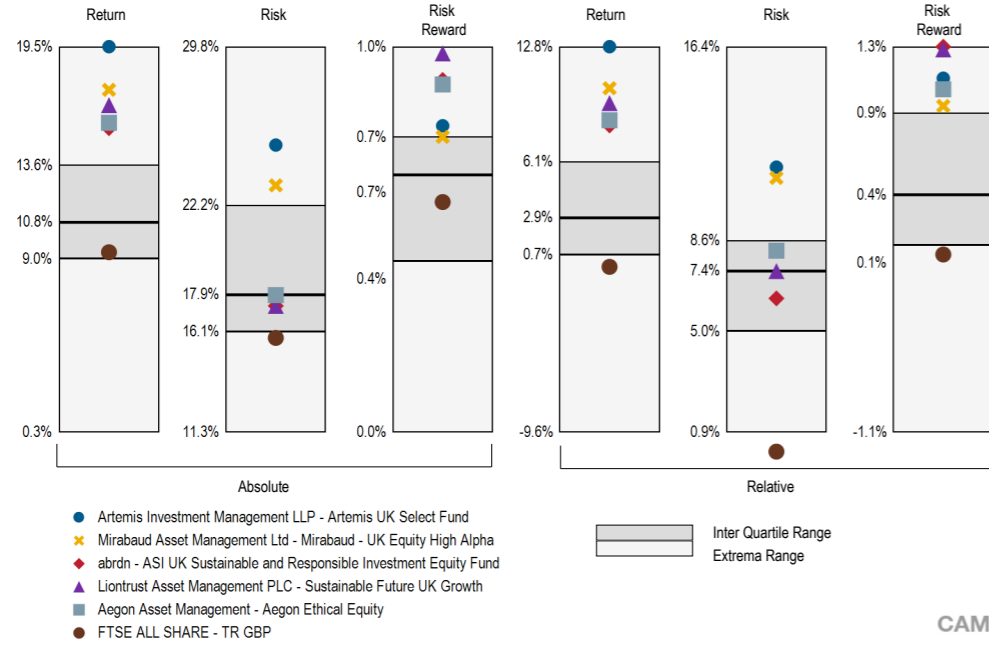
### UK Equity - All Cap (GBP)

Data 41 products

Benchmark FTSE ALL SHARE - TR GBP

Period Three Years to Dec 2021

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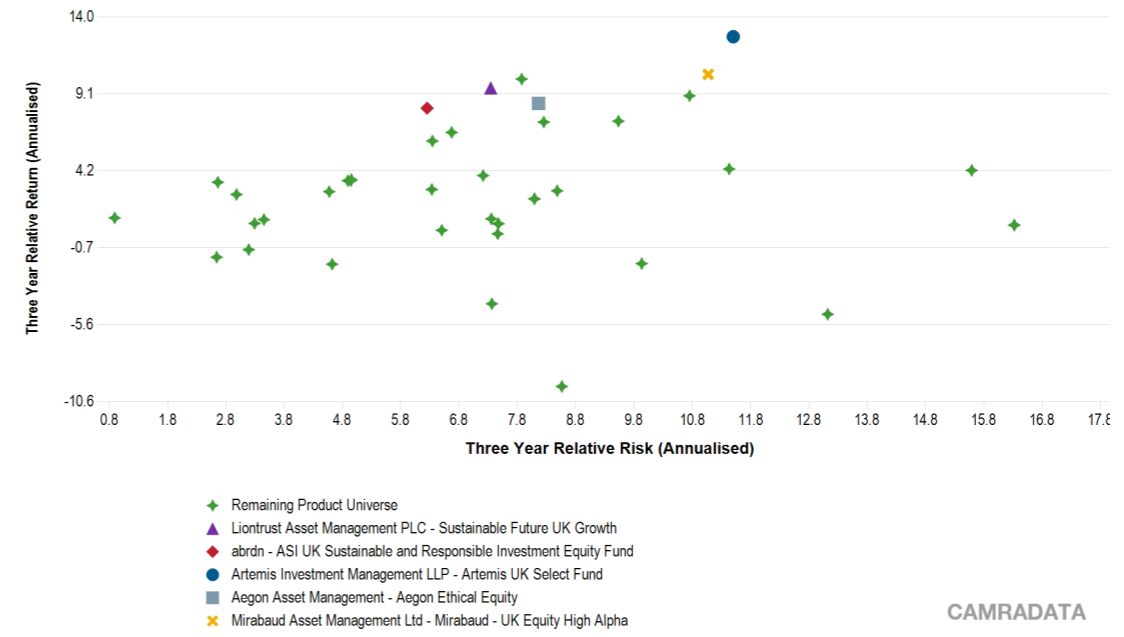
## Three Year Relative Risk Return :

### UK Equity - All Cap (GBP)

Data 41 products

Benchmark FTSE ALL SHARE - TR GBP

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: FTSE ALL SHARE - TR GBP

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Artemis Investment Management LLP	Artemis UK Select Fund	12.77	1.11	0.15	66.67	0.13	0.86	11.53	GBP
2	Mirabaud Asset Management Ltd	Mirabaud - UK Equity High Alpha	10.36	0.93	0.25	63.89	-0.15	0.81	11.10	GBP
3	abrdn	ASI UK Sustainable and Responsible Investment Equity Fund	8.20	1.31	0.35	63.89	-0.55	0.80	6.28	GBP
4	Liontrust Asset Management PLC	Sustainable Future UK Growth	9.50	1.29	0.71	58.33	-0.66	0.80	7.37	GBP
5	Aegon Asset Management	Aegon Ethical Equity	8.50	1.04	0.54	58.33	-0.16	0.79	8.19	GBP
6	Fidelity International	Fidelity Institutional UK Multi Manager	3.46	1.29	0.25	58.33	-0.02	0.71	2.69	GBP
7	Allianz Global Investors	Allianz UK Opportunities Fund	8.99	0.83	-0.53	72.22	-0.29	0.69	10.78	GBP
8	J.P. Morgan Asset Management	JPM UK Equity Core Fund - Composite	1.18	1.28	0.07	61.11	-0.49	0.63	0.92	GBP
9	Baillie Gifford & Co.	Baillie Gifford UK Equity Core Composite (GBP)	3.56	0.72	0.40	52.78	-0.29	0.62	4.97	GBP
10	Aviva Investors Global Services Limited	Aviva Investors UK Listed Equity Income Fund SC2	3.00	0.47	0.37	52.78	-0.31	0.60	6.36	GBP
11	AXA Investment Managers	AXA Framlington UK Select Opportunities Fund_Z GBP	3.89	0.54	-0.27	63.89	-0.71	0.56	7.24	GBP
12	Columbia Threadneedle Investments EMEA APAC	Threadneedle UK Sustainable Equity Fund (T6EUK)	3.56	0.72	0.36	52.78	-1.36	0.51	4.92	GBP
13	Invesco Ltd.	Invesco Income and Growth Fund (UK)	2.86	0.62	-0.21	63.89	-1.40	0.48	4.60	GBP
14	BlackRock	BIEF UK Focus fund	3.63	0.73	-0.06	61.11	-2.00	0.45	4.98	GBP
15	Ninety One (previously Investec Asset Management)	UK Special Situations Fund (OEIC)	0.72	0.04	-0.08	55.56	-0.76	0.44	16.35	GBP
16	GAM	GAM UK Equity Income	1.12	0.15	0.30	50.00	-0.92	0.43	7.38	GBP
17	Dimensional Fund Advisors	UK All Cap Core Equity Composite	0.83	0.25	0.10	52.78	-0.93	0.42	3.32	GBP
18	Sanlam Investments UK	Sanlam Active UK Equity Fund	0.39	0.06	0.45	44.44	-1.18	0.36	6.53	GBP
19	MFS Investment Management	MFS U.K. Equity	1.07	0.31	0.22	47.22	-1.30	0.35	3.48	GBP
20	Troy Asset Management Limited	Trojan Ethical Income Fund	2.40	0.30	-0.35	58.33	-1.92	0.30	8.12	GBP

Selection Criteria - Management Approach: Active Geographical Focus: UK Asset Type: EQUITY Size: All Cap

# UK Equity - Small Cap (GBP)

## Three Year Returns :

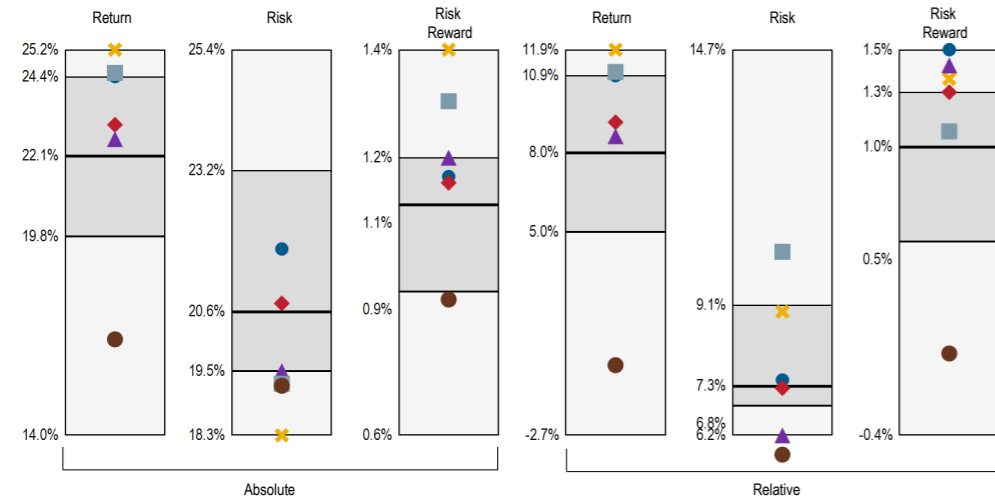
### UK Equity - Small Cap (GBP)

Data 13 products

Benchmark FTSE ALL SMALL - TR GBP

Period Three Years to Dec 2021

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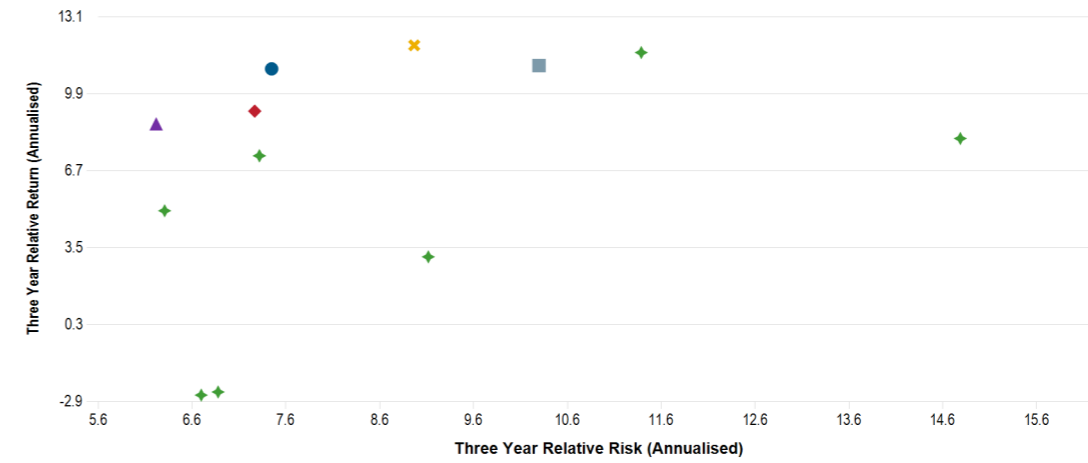
## Three Year Relative Risk Return :

### UK Equity - Small Cap (GBP)

Data 13 products

Benchmark FTSE ALL SMALL - TR GBP

Period Three Years to Dec 2021



## IQ Scores : - Benchmark: FTSE ALL SMALL - TR GBP

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	J.P. Morgan Asset Management	JPM UK Smaller Companies Fund	10.94	1.48	1.08	52.78	-0.42	0.80	7.40	GBP
2	Liontrust Asset Management PLC	Liontrust UK Smaller Companies Fund	11.92	1.34	-0.08	66.67	-0.63	0.73	8.92	GBP
3	Ninety One (previously Investec Asset Management)	UK Smaller Companies Fund (OEIC)	9.18	1.27	0.86	52.78	-0.71	0.63	7.22	GBP
4	Royal London Asset Management	Royal London UK Smaller Companies	8.65	1.40	0.27	61.11	-1.04	0.60	6.17	GBP
5	abrdn	ASI (AAM) UK Smaller Companies Fund	11.08	1.08	-0.78	69.44	-0.91	0.57	10.25	GBP
6	Lombard Odier Investment Managers	1798 UK Small Cap Best Ideas Fund (GBP) A	8.04	0.55	1.78	44.44	-0.65	0.54	14.74	GBP
7	Columbia Threadneedle Investments EMEA APAC	Threadneedle UK Equity Smaller Companies Composite (10999)	7.32	1.01	0.83	50.00	-0.85	0.43	7.27	GBP
8	Artemis Investment Management LLP	Institutional UK Smaller Companies Composite	3.11	0.34	-0.07	58.33	-1.39	0.36	9.07	GBP
9	Invesco Ltd.	Invesco UK Smaller Companies Equity Fund (UK)	5.03	0.80	0.43	52.78	-2.21	0.33	6.26	GBP
10	Dimensional Fund Advisors	UK Small Cap Equity Composite	-2.65	-0.40	-0.29	52.78	-1.42	0.19	6.65	GBP

Selection Criteria - Management Approach: Active Geographical Focus: UK Asset Type: EQUITY Size: Small Cap

# US Bank Loans (USD)

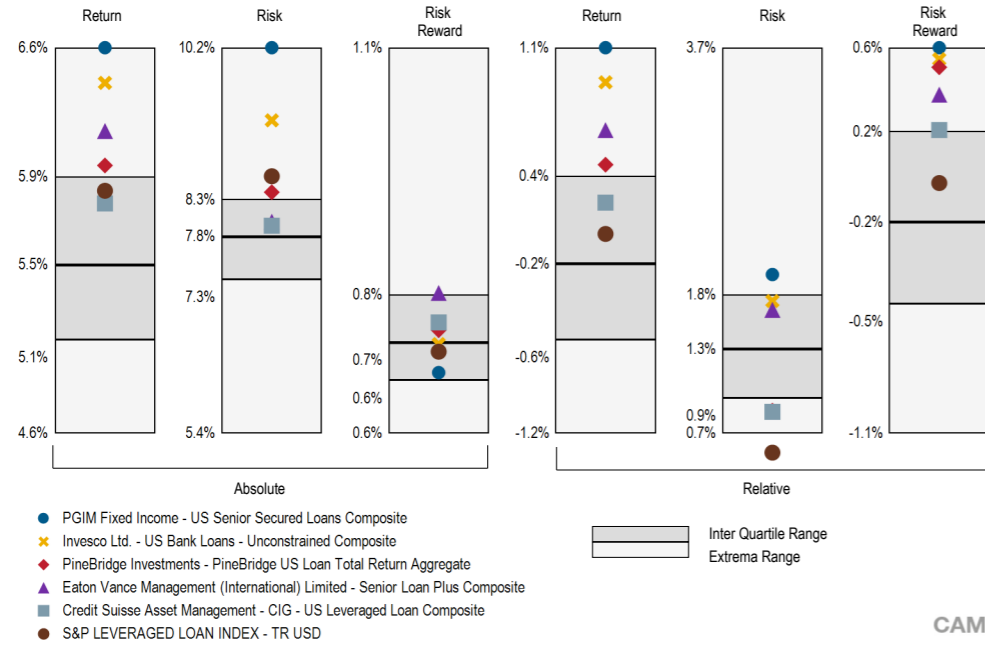
## Three Year Returns :

### US Bank Loans (USD)

Data 25 products

Benchmark S&P LEVERAGED LOAN INDEX - TR USD

Period Three Years to Dec 2021



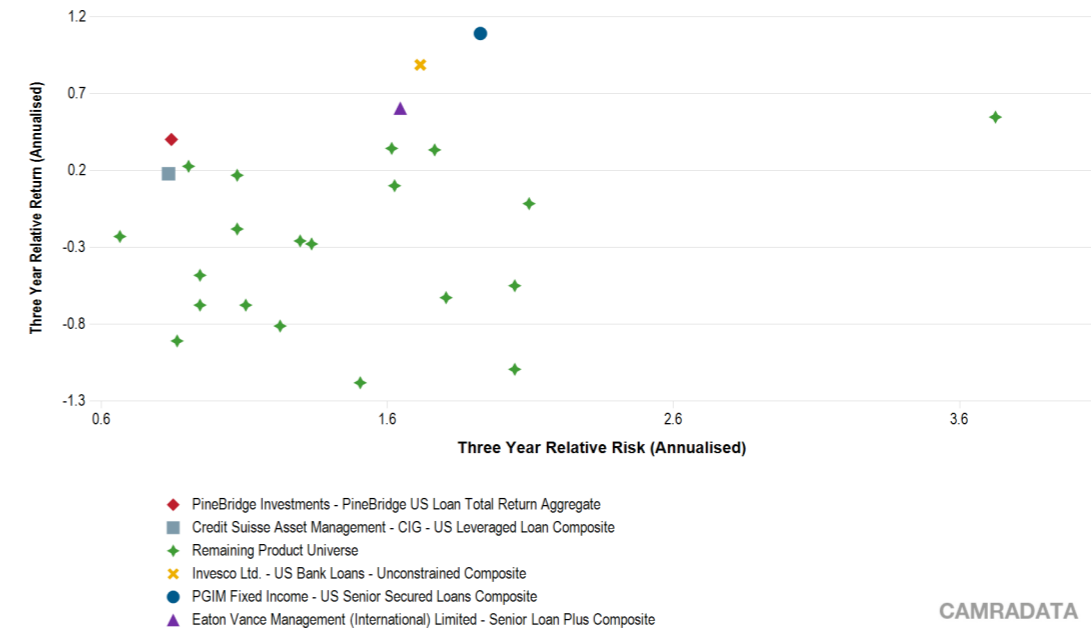
## Three Year Relative Risk Return :

### US Bank Loans (USD)

Data 25 products

Benchmark S&P LEVERAGED LOAN INDEX - TR USD

Period Three Years to Dec 2021



## IQ Scores : - Benchmark: S&P LEVERAGED LOAN INDEX - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	PGIM Fixed Income	US Senior Secured Loans Composite	1.13	0.59	-0.05	66.67	-1.14	0.79	1.91	USD
2	Invesco Ltd.	US Bank Loans - Unconstrained Composite	0.92	0.54	-0.04	63.89	-1.75	0.75	1.70	USD
3	PineBridge Investments	PineBridge US Loan Total Return Aggregate	0.42	0.51	0.04	52.78	-1.32	0.74	0.83	USD
4	Eaton Vance Management (International) Limited	Senior Loan Plus Composite	0.63	0.39	-0.05	61.11	-1.29	0.73	1.63	USD
5	Credit Suisse Asset Management	CIG - US Leveraged Loan Composite	0.19	0.23	-0.05	61.11	-0.65	0.71	0.82	USD
6	Stone Harbor Investment Partners LP	Leveraged Loan - Composite	0.36	0.23	0.12	41.67	-3.18	0.61	1.60	USD
7	Principal Global Investors	Post Senior Loan Composite	0.35	0.20	0.09	44.44	-3.33	0.59	1.75	USD
8	T. Rowe Price Group, Inc.	Floating Rate Bank Loan Composite	0.11	0.07	0.02	47.22	-2.41	0.53	1.61	USD
9	Barings	Barings U.S. Loan Fund	-0.26	-0.20	-0.13	58.33	-1.12	0.52	1.28	USD
10	Fidelity International	FIAM Leveraged Loan - SA	-0.18	-0.17	-0.04	50.00	-2.68	0.48	1.06	USD
11	Columbia Threadneedle Investments EMEA APAC	Columbia Bank Loan Strategy	-0.23	-0.35	-0.06	55.56	-1.57	0.47	0.65	USD
12	AXA Investment Managers	AXA IIM US Loans Seg	-0.64	-0.36	0.03	41.67	-1.49	0.45	1.79	USD
13	Western Asset Management	US Bank Loan Composite - (777881)	-0.69	-0.74	-0.17	58.33	-2.78	0.32	0.93	USD
14	Seix Investment Advisors LLC	Seix Leveraged Loan	-0.83	-0.69	-0.10	47.22	-2.13	0.30	1.21	USD
15	Wellington Management Company LLP	Bank Loans Separate Account/Composite	-0.69	-0.63	0.07	27.78	-4.74	0.26	1.09	USD
16	Loomis Sayles	Senior Loan	-1.21	-0.81	0.13	22.22	-4.82	0.22	1.49	USD
17	Voya Investment Management	Voya Senior Loan Unleveraged Composite	-0.93	-1.09	-0.05	36.11	-3.34	0.18	0.85	USD

Selection Criteria - Management Approach: Active, Hedge, Passive Geographical Focus: US Asset Type: BOND Strategy Type: Loans



# US Broad Bond (USD)

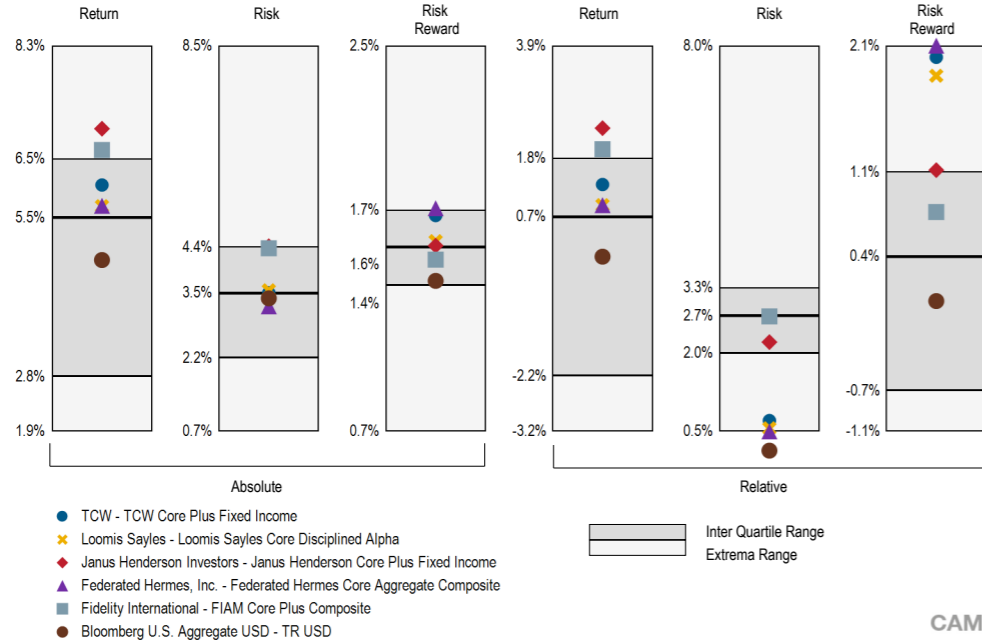
## Three Year Returns :

### US Broad Bond (USD)

Data 22 products

Benchmark Bloomberg U.S. Aggregate USD - TR USD

Period Three Years to Dec 2021



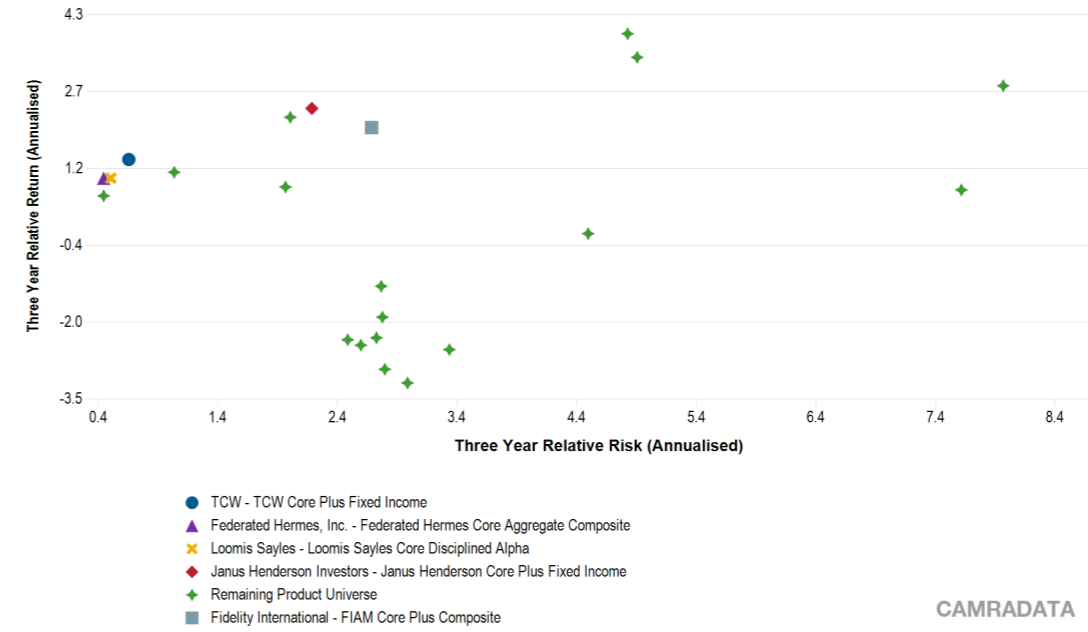
## Three Year Relative Risk Return :

### US Broad Bond (USD)

Data 22 products

Benchmark Bloomberg U.S. Aggregate USD - TR USD

Period Three Years to Dec 2021



## IQ Scores : - Benchmark: Bloomberg U.S. Aggregate USD - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	TCW	TCW Core Plus Fixed Income	1.33	2.02	0.02	80.56	-0.34	0.84	0.66	USD
2	Loomis Sayles	Loomis Sayles Core Disciplined Alpha	0.95	1.86	0.04	77.78	-0.15	0.82	0.51	USD
3	Janus Henderson Investors	Janus Henderson Core Plus Fixed Income	2.37	1.08	-0.09	77.78	-0.68	0.80	2.19	USD
4	Federated Hermes, Inc.	Federated Hermes Core Aggregate Composite	0.95	2.11	0.03	72.22	0.06	0.77	0.45	USD
5	Fidelity International	FIAM Core Plus Composite	1.98	0.74	-0.24	75.00	-0.98	0.66	2.69	USD
6	Seix Investment Advisors LLC	Seix Core Bond	1.07	1.03	0.14	52.78	-1.24	0.61	1.04	USD
7	AB (AllianceBernstein)	AB US Strategic Core Plus Fixed Income Composite	0.77	0.39	-0.12	69.44	-0.98	0.60	1.97	USD
8	Newfleet Asset Management, LLC ("Newfleet")	Multi-Sector Short Duration Composite	-0.18	-0.04	-0.66	66.67	-1.69	0.37	4.50	USD
9	Franklin Templeton Investments	Franklin U.S. Low Duration Composite	-2.34	-0.94	-0.22	44.44	-2.60	0.24	2.49	USD
10	Payden & Rygel	Low Duration 1-3 Year Government/Credit Composite	-2.30	-0.84	-0.34	50.00	-2.64	0.22	2.73	USD
11	Principal Global Investors	Ultra Short High Quality Composite	-3.22	-1.08	-0.26	41.67	-2.25	0.18	2.99	USD

Selection Criteria - Management Approach: Active Geographical Focus: US Asset Type: BOND Strategy Type: Broad Bond Style: Absolute Return, Income, Index Linked, N/A

# US Corporate Debt (USD)

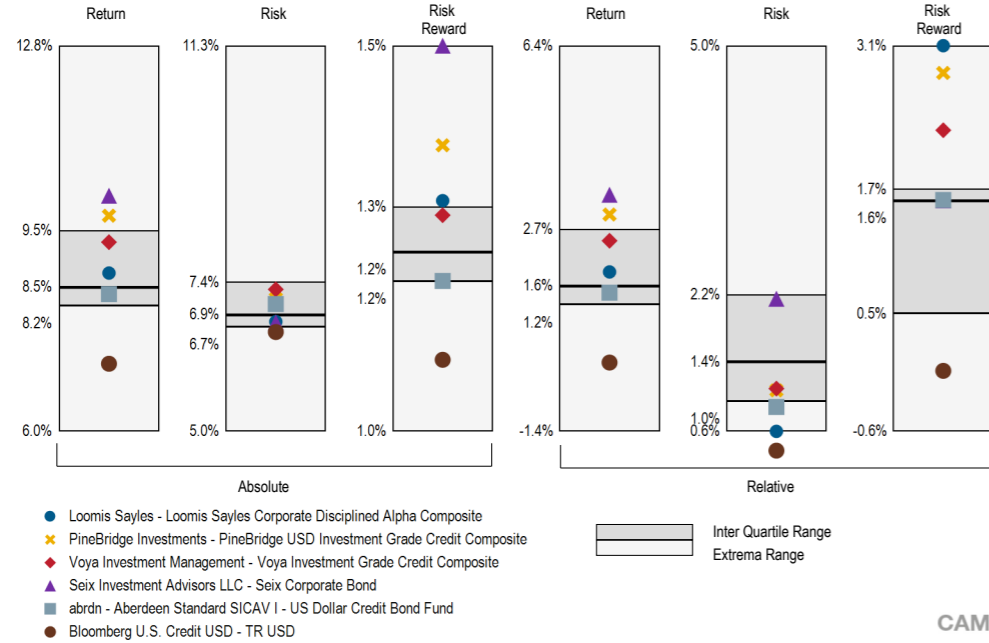
## Three Year Returns :

### US Corporate Debt (USD)

Data 17 products

Benchmark Bloomberg U.S. Credit USD - TR USD

Period Three Years to Dec 2021



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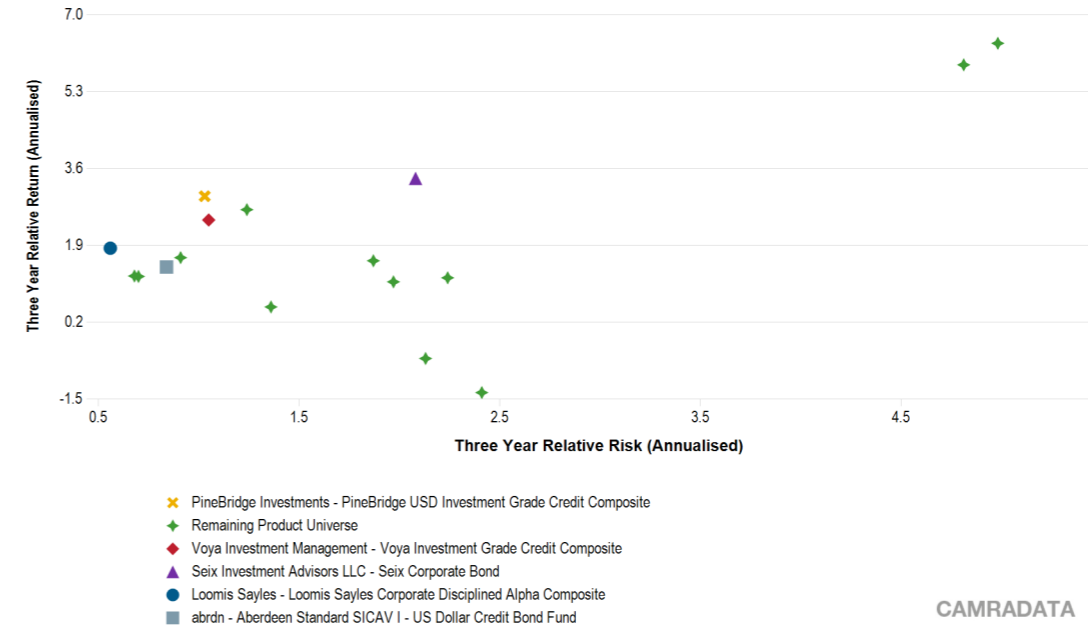
## Three Year Relative Risk Return :

### US Corporate Debt (USD)

Data 17 products

Benchmark Bloomberg U.S. Credit USD - TR USD

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: Bloomberg U.S. Credit USD - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Loomis Sayles	Loomis Sayles Corporate Disciplined Alpha Composite	1.83	3.05	0.09	86.11	1.61	0.81	0.60	USD
2	PineBridge Investments	PineBridge USD Investment Grade Credit Composite	2.99	2.79	0.12	83.33	0.93	0.79	1.07	USD
3	Voya Investment Management	Voya Investment Grade Credit Composite	2.46	2.26	0.08	83.33	1.16	0.74	1.09	USD
4	Seix Investment Advisors LLC	Seix Corporate Bond	3.39	1.60	0.18	69.44	-0.57	0.62	2.12	USD
5	abrdn	Aberdeen Standard SICAV I - US Dollar Credit Bond Fund	1.41	1.60	0.06	72.22	0.45	0.58	0.88	USD
6	Wellington Management Company LLP	Investment-Grade Corporate Bond Broad Separate Account/Composite	1.62	1.71	0.12	63.89	-0.07	0.56	0.95	USD
7	TCW	TCW Corporate Bonds	1.21	1.68	0.05	72.22	0.43	0.53	0.72	USD
8	Putnam Investments	Putnam Investment Grade Corporate Credit Strategy Composite	1.20	1.62	0.05	69.44	-0.26	0.48	0.74	USD
9	PGIM Fixed Income	US Corporate Fixed Income (Composite)	1.55	0.81	-0.13	77.78	-0.68	0.41	1.91	USD
10	T. Rowe Price Group, Inc.	Investment Grade Corporate Bond Composite	0.52	0.37	-0.07	66.67	-0.74	0.24	1.40	USD
11	Federated Hermes, Inc.	Federated Hermes Intermediate Corporate Composite	-1.39	-0.57	-0.14	47.22	-2.17	0.07	2.45	USD

Selection Criteria - Management Approach: Active Geographical Focus: US Asset Type: BOND Strategy Type: Corporate Style: Absolute Return, Income, Index Linked, N/A

# US Equity - Core All Cap (USD)

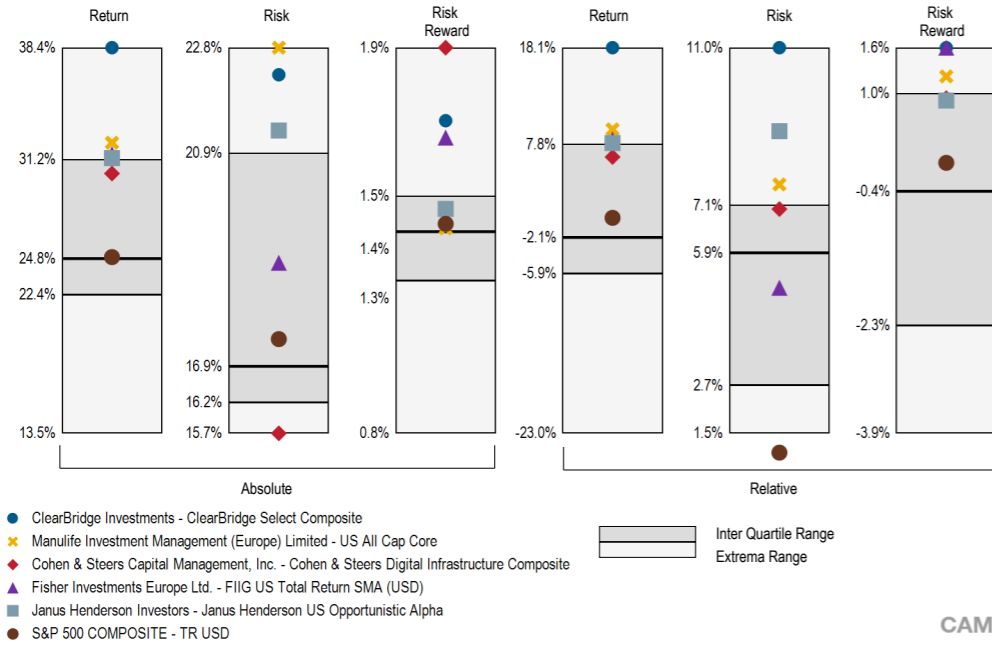
## Three Year Returns :

US Equity - Core All Cap (USD)

Data 15 products

Benchmark S&P 500 COMPOSITE - TR USD

Period Three Years to Dec 2021



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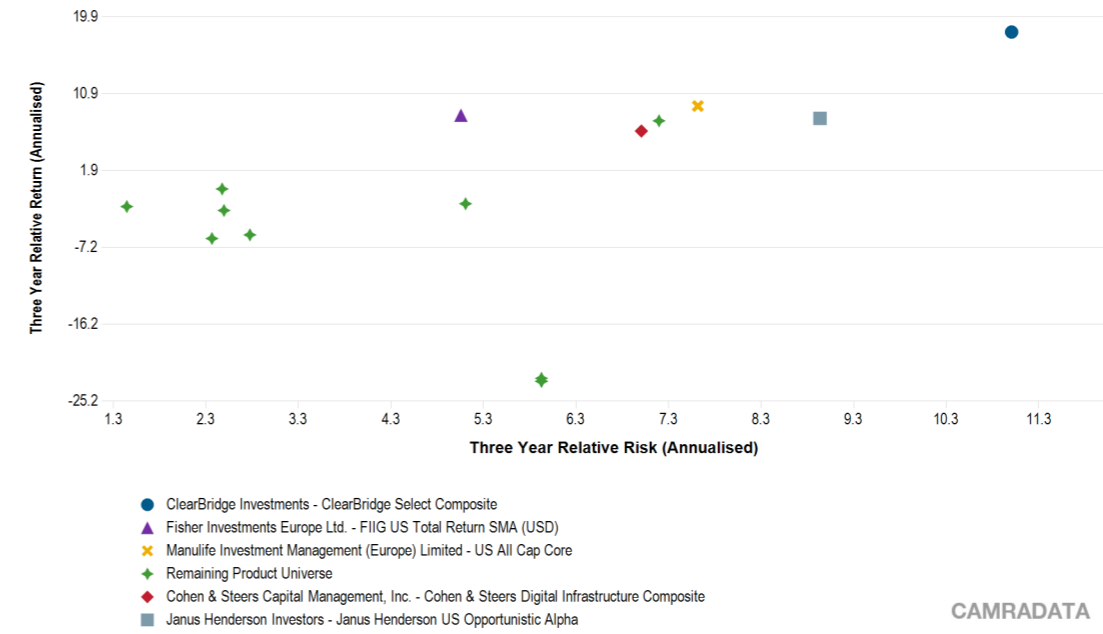
## Three Year Relative Risk Return :

US Equity - Core All Cap (USD)

Data 15 products

Benchmark S&P 500 COMPOSITE - TR USD

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: S&P 500 COMPOSITE - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	ClearBridge Investments	ClearBridge Select Composite	18.12	1.64	0.47	63.89	-0.55	0.88	11.02	USD
2	Manulife Investment Management (Europe) Limited	US All Cap Core	9.42	1.23	0.09	63.89	-0.59	0.80	7.63	USD
3	Cohen & Steers Capital Management, Inc.	Cohen & Steers Digital Infrastructure Composite	6.48	0.92	0.16	55.56	-0.43	0.74	7.02	USD
4	Fisher Investments Europe Ltd.	FIIG US Total Return SMA (USD)	8.34	1.64	-0.17	69.44	-0.61	0.73	5.07	USD
5	Janus Henderson Investors	Janus Henderson US Opportunistic Alpha	7.97	0.89	-0.12	61.11	-0.55	0.70	8.95	USD
6	AB (AllianceBernstein)	AB Select US Equity - Composite	-0.33	-0.13	-0.05	50.00	-1.19	0.59	2.49	USD
7	Dimensional Fund Advisors	US All Cap Core Socially Responsible Equity Composite	-2.07	-0.40	-0.32	55.56	-1.39	0.45	5.12	USD
8	Allianz Global Investors	Best Styles US Composite	-2.40	-1.64	-0.16	47.22	-2.29	0.41	1.46	USD
9	Fidelity International	Fidelity Institutional America Fund	-6.16	-2.59	-0.27	38.89	-2.77	0.25	2.38	USD
10	Unigestion SA	Uni-Global - Equities US (USD)	-22.60	-3.80	-0.18	22.22	-4.22	0.20	5.94	USD

Selection Criteria - Management Approach: Active Geographical Focus: US Asset Type: EQUITY Style: Core, No Predominant Style Size: All Cap

# US Equity - Core Large Cap (USD)

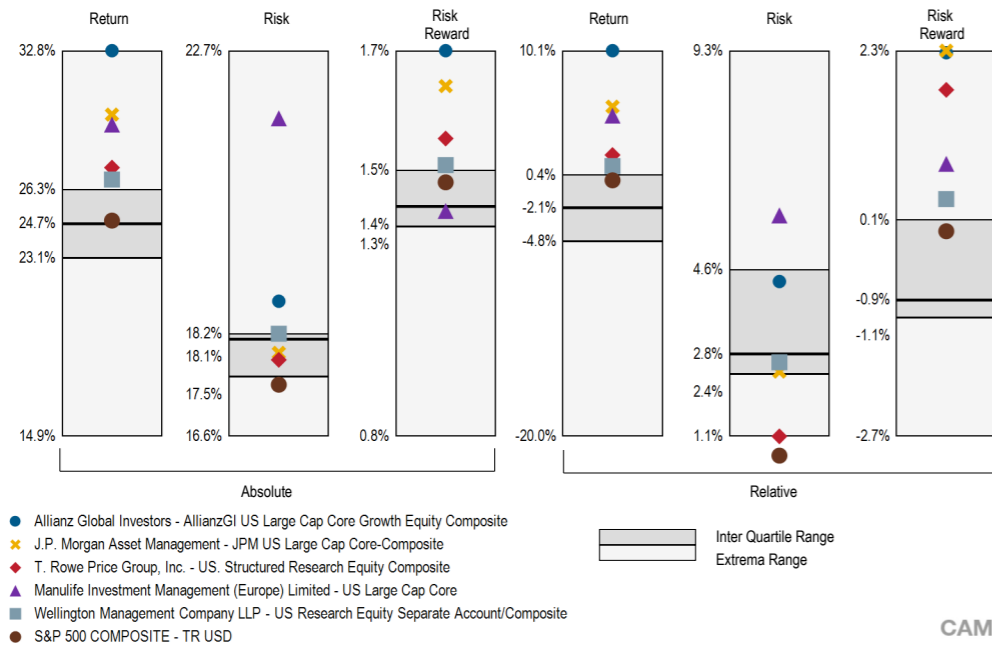
## Three Year Returns :

US Equity - Core Large Cap (USD)

Data 21 products

Benchmark S&P 500 COMPOSITE - TR USD

Period Three Years to Dec 2021



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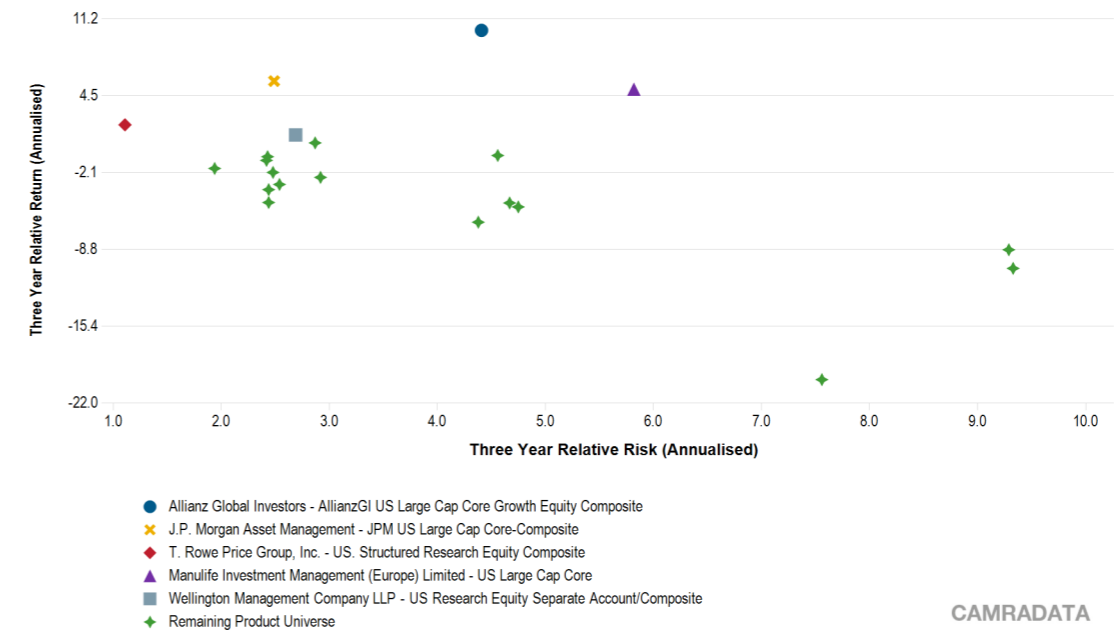
## Three Year Relative Risk Return :

US Equity - Core Large Cap (USD)

Data 21 products

Benchmark S&P 500 COMPOSITE - TR USD

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: S&P 500 COMPOSITE - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Allianz Global Investors	AllianzGI US Large Cap Core Growth Equity Composite	10.14	2.32	0.26	66.67	-0.02	0.93	4.38	USD
2	J.P. Morgan Asset Management	JPM US Large Cap Core-Composite	5.76	2.34	0.25	61.11	0.19	0.90	2.46	USD
3	T. Rowe Price Group, Inc.	US. Structured Research Equity Composite	1.98	1.83	0.06	63.89	-0.16	0.82	1.08	USD
4	Manulife Investment Management (Europe) Limited	US Large Cap Core	5.06	0.87	-0.28	66.67	-0.70	0.72	5.79	USD
5	Wellington Management Company LLP	US Research Equity Separate Account/Composite	1.11	0.42	-0.09	58.33	-0.99	0.70	2.66	USD
6	Janus Henderson Investors	Janus Henderson US Research Core Equity	0.42	0.15	-0.09	55.56	-1.38	0.63	2.84	USD
7	Invesco Ltd.	Large Cap Core	-1.09	-0.46	-0.03	47.22	-1.41	0.56	2.39	USD
8	MFS Investment Management	MFS Research Equity	-0.77	-0.32	0.11	41.67	-1.83	0.55	2.40	USD
9	ClariVest Asset Management LLC	ClariVest Large Cap Core	-2.13	-0.87	-0.10	47.22	-1.63	0.48	2.45	USD
10	Columbia Threadneedle Investments EMEA APAC	Columbia Disciplined Large Core Composite	-2.56	-0.89	0.04	41.67	-2.59	0.43	2.89	USD
11	Dodge & Cox	Dodge & Cox Stock Fund (U.S. domiciled)	-8.81	-0.95	-0.76	52.78	-1.73	0.34	9.26	USD
12	PineBridge Investments	PineBridge US Research Enhanced Equity Plus Composite	-3.62	-1.50	-0.06	38.89	-2.29	0.29	2.41	USD
13	Fidelity International	FF America Fund-USD	-20.03	-2.66	0.07	27.78	-4.03	0.18	7.53	USD

Selection Criteria - Management Approach: Active Geographical Focus: US Asset Type: EQUITY Style: Core, No Predominant Style Size: Large Cap

# US Equity - Growth Large Cap (USD)

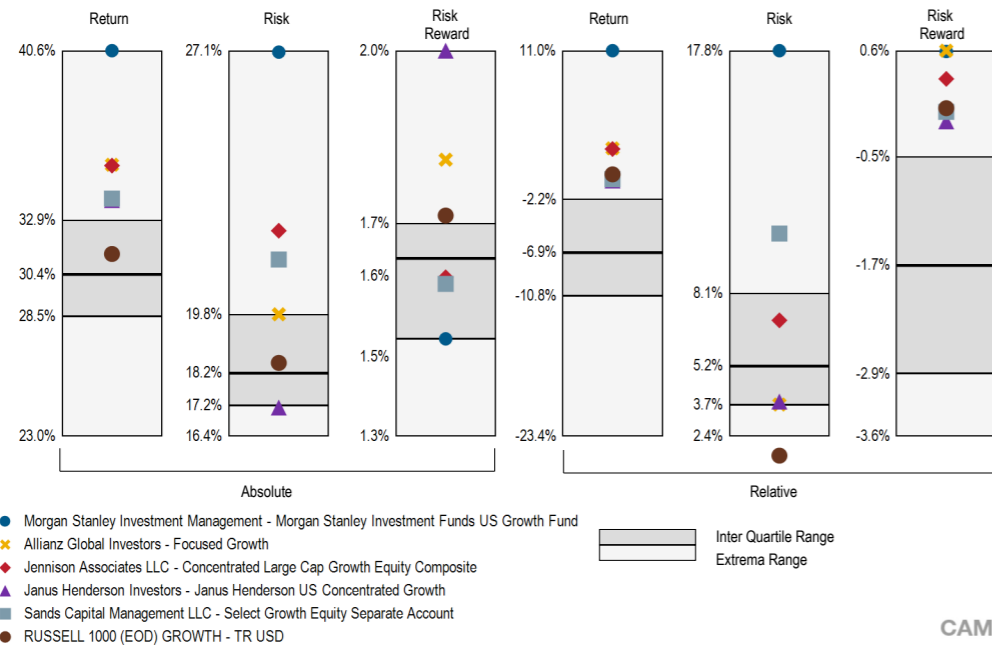
## Three Year Returns :

### US Equity - Growth Large Cap (USD)

Data 25 products

Benchmark RUSSELL 1000 (EOD) GROWTH - TR USD

Period Three Years to Dec 2021



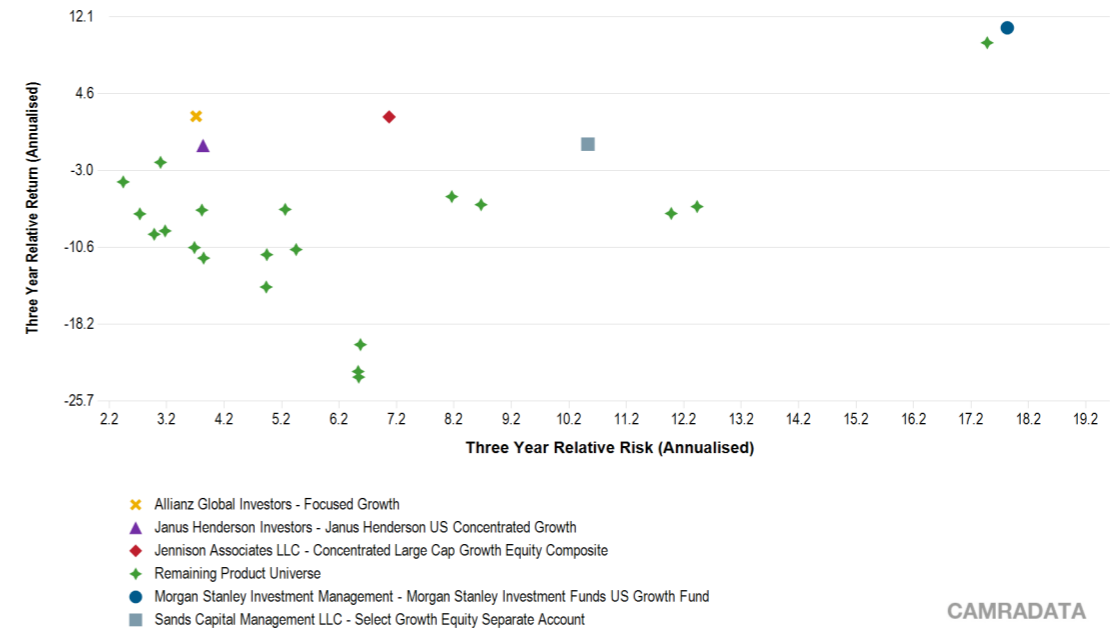
## Three Year Relative Risk Return :

### US Equity - Growth Large Cap (USD)

Data 25 products

Benchmark RUSSELL 1000 (EOD) GROWTH - TR USD

Period Three Years to Dec 2021



## IQ Scores : - Benchmark: RUSSELL 1000 (EOD) GROWTH - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Morgan Stanley Investment Management	Morgan Stanley Investment Funds US Growth Fund	11.04	0.62	0.23	55.56	-1.02	0.92	17.81	USD
2	Allianz Global Investors	Focused Growth	2.32	0.63	0.21	50.00	-0.95	0.86	3.69	USD
3	Jennison Associates LLC	Concentrated Large Cap Growth Equity Composite	2.26	0.32	-0.07	55.56	-1.09	0.83	7.05	USD
4	Janus Henderson Investors	Janus Henderson US Concentrated Growth	-0.55	-0.14	-0.07	50.00	-0.95	0.77	3.81	USD
5	Sands Capital Management LLC	Select Growth Equity Separate Account	-0.43	-0.04	-0.44	55.56	-1.35	0.66	10.51	USD
6	AGF Investments	AGF U.S. Large-Cap Growth Equity Composite	-5.60	-0.69	0.17	41.67	-2.54	0.54	8.14	USD
7	TCW	TCW New America Premier Equities	-6.39	-0.74	-0.22	47.22	-2.32	0.52	8.65	USD
8	Sustainable Growth Advisers LP	SGA U.S. Large Cap Growth Composite	-6.86	-1.31	-0.51	50.00	-1.36	0.48	5.24	USD
9	ClariVest Asset Management LLC	ClariVest Large Cap Growth	-4.15	-1.71	-0.12	41.67	-3.06	0.47	2.42	USD
10	T. Rowe Price Group, Inc.	US Large-Cap Growth Equity Composite	-6.93	-1.83	-0.20	41.67	-2.84	0.42	3.79	USD
11	Loomis Sayles	Large Cap Growth	-11.32	-2.30	-0.29	38.89	-1.44	0.37	4.92	USD
12	Voya Investment Management	Voya Large Cap Growth Composite	-10.62	-2.90	-0.19	30.56	-2.26	0.34	3.66	USD
13	ClearBridge Investments	Legg Mason ClearBridge US Large Cap Growth Fund - HUB	-8.98	-2.85	-0.38	41.67	-2.29	0.32	3.15	USD
14	Vontobel Asset Management	Vontobel Quality Growth U.S. Equity Composite	-22.84	-3.51	-0.03	27.78	-4.34	0.22	6.51	USD
15	Invesco Ltd.	Dividend Growth Composite	-20.19	-3.08	-0.28	33.33	-3.81	0.18	6.55	USD

Selection Criteria - Management Approach: Active Geographical Focus: US Asset Type: EQUITY Style: Growth Size: Large Cap

# US Equity - Small Cap (USD)

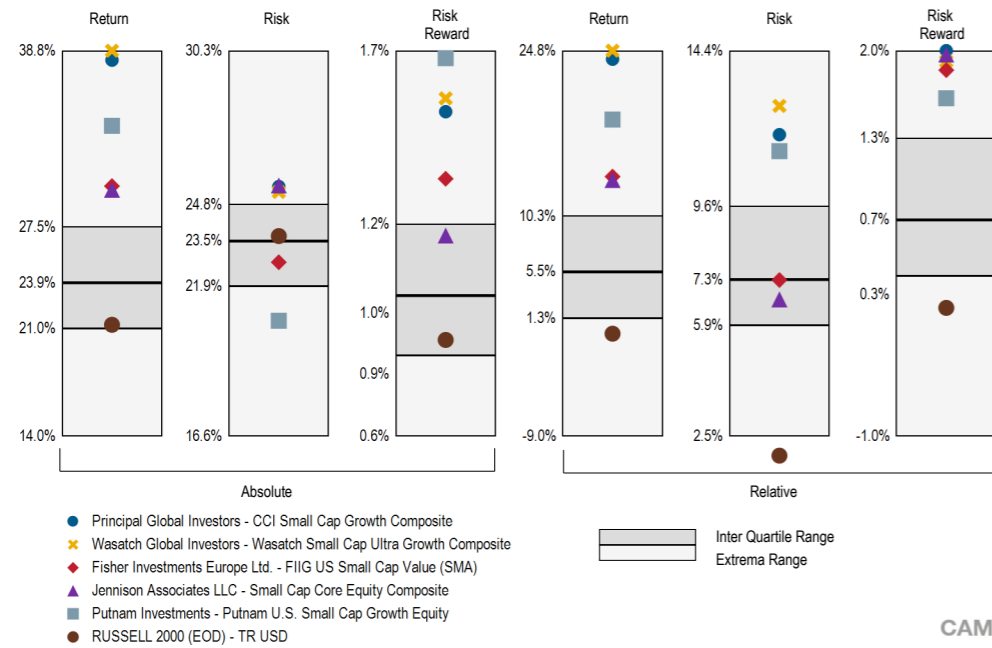
## Three Year Returns :

US Equity - Small Cap (USD)

Data 51 products

Benchmark RUSSELL 2000 (EOD) - TR USD

Period Three Years to Dec 2021



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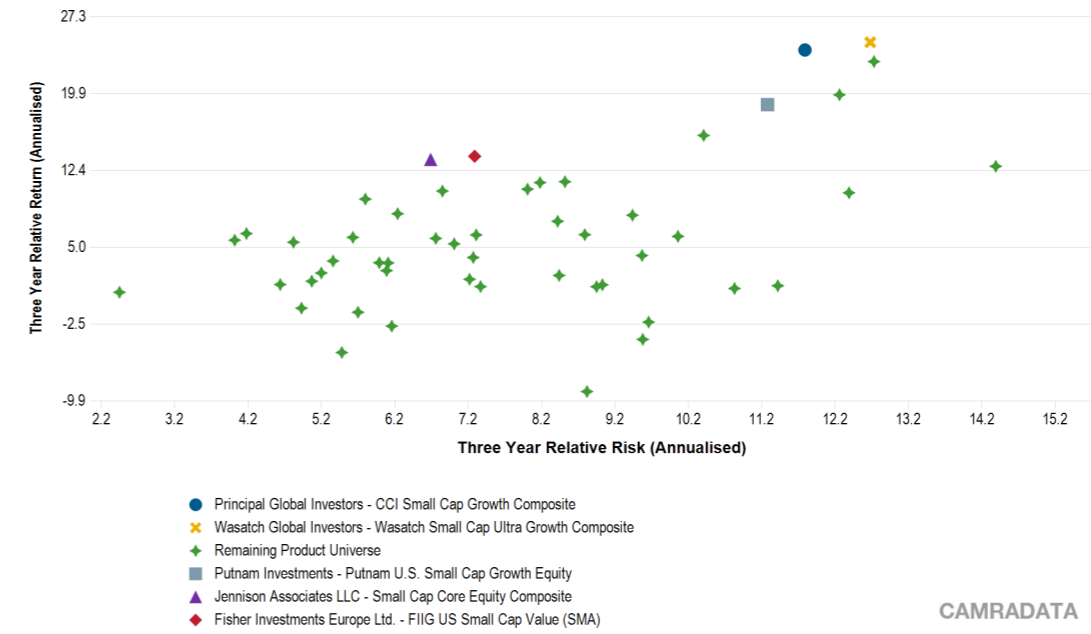
## Three Year Relative Risk Return :

US Equity - Small Cap (USD)

Data 51 products

Benchmark RUSSELL 2000 (EOD) - TR USD

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: RUSSELL 2000 (EOD) - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Principal Global Investors	CCI Small Cap Growth Composite	24.09	2.04	0.97	63.89	-0.49	0.91	11.82	USD
2	Wasatch Global Investors	Wasatch Small Cap Ultra Growth Composite	24.84	1.95	1.15	61.11	-0.75	0.87	12.71	USD
3	Fisher Investments Europe Ltd.	FIIG US Small Cap Value (SMA)	13.79	1.88	0.23	66.67	0.22	0.84	7.32	USD
4	Jennison Associates LLC	Small Cap Core Equity Composite	13.49	2.01	-0.11	75.00	-0.28	0.81	6.72	USD
5	Putnam Investments	Putnam U.S. Small Cap Growth Equity	18.79	1.66	0.52	61.11	-1.17	0.76	11.31	USD
6	Baron Capital	Baron Discovery Strategy Composite	15.81	1.51	1.33	52.78	-0.93	0.73	10.44	USD
7	Manulife Investment Management (Europe) Limited	US Small Cap Core	9.64	1.65	0.90	50.00	0.19	0.72	5.83	USD
8	ClariVest Asset Management LLC	ClariVest Small Cap Core	10.42	1.51	0.05	66.67	-0.99	0.70	6.88	USD
9	Fidelity International	FIAM Small Cap Core Composite	6.30	1.50	0.10	63.89	-0.52	0.70	4.21	USD
10	Invesco Ltd.	Discovery Small Cap Growth Composite	19.75	1.61	-0.13	66.67	-0.96	0.70	12.29	USD
11	EFG Asset Management Limited	New Capital US Small Cap Growth Strategy	11.24	1.37	-0.10	66.67	-0.92	0.69	8.21	USD
12	William Blair International, Limited	US Small Cap Growth	8.22	1.31	-0.29	66.67	-0.28	0.67	6.27	USD
13	T. Rowe Price Group, Inc.	US Smaller Companies Equity Composite	11.32	1.32	0.53	55.56	-1.09	0.67	8.55	USD
14	Dimensional Fund Advisors	US Small Cap Growth Equity Composite	5.93	1.05	0.15	58.33	-0.63	0.63	5.66	USD
15	Artemis Investment Management LLP	Artemis US Smaller Companies Composite (USD)	8.08	0.85	0.48	52.78	-0.63	0.62	9.47	USD
16	Kayne Anderson Rudnick	Small Cap Sustainable Growth	12.82	0.89	0.37	55.56	-1.46	0.61	14.42	USD
17	Brandywine Global Investment Management, LLC	Small Cap Value Composite	6.03	0.60	0.41	55.56	-1.06	0.60	10.09	USD
18	Wellington Management Company LLP	Disciplined US Small Cap Growth Separate Account/Composite	5.83	0.86	-0.14	61.11	-1.29	0.50	6.79	USD
19	Scout Investments	Scout Small Cap Equity	3.45	0.56	-0.12	58.33	-0.74	0.50	6.14	USD
20	Loomis Sayles	Small Cap Growth	6.19	0.70	-0.33	61.11	-1.16	0.47	8.82	USD

Selection Criteria - Management Approach: Active, Hedge, Passive Geographical Focus: US Asset Type: EQUITY Size: Small Cap

# US Equity - Value Large Cap (USD)

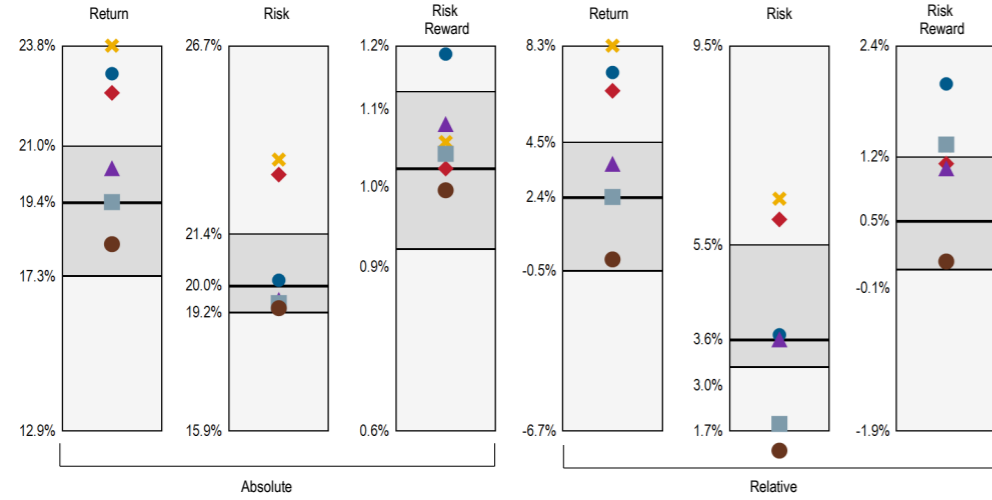
## Three Year Returns :

US Equity - Value Large Cap (USD)

Data 23 products

Benchmark RUSSELL 1000 (EOD) VALUE - TR USD

Period Three Years to Dec 2021



- Putnam Investments - Putnam US Large Cap Value Equity Managed Account Composite
  - ✕ Brandywine Global Investment Management, LLC - Classic Large Cap Value Unrestricted Composite
  - ◆ ClearBridge Investments - Legg Mason ClearBridge Value Fund
  - ▲ Ceredex Value Advisors LLC - Ceredex Large Cap Value Equity Composite
  - Eaton Vance Management (International) Limited - Large Cap Value Strategy Master Composite
  - RUSSELL 1000 (EOD) VALUE - TR USD
- Legend: Inter Quartile Range (shaded area), Extrema Range (unshaded area)

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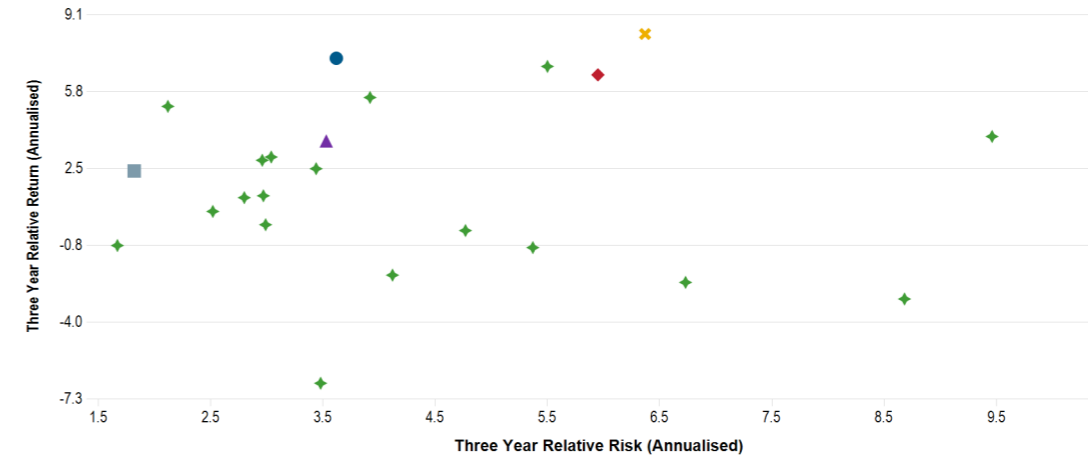
## Three Year Relative Risk Return :

US Equity - Value Large Cap (USD)

Data 23 products

Benchmark RUSSELL 1000 (EOD) VALUE - TR USD

Period Three Years to Dec 2021



- Putnam Investments - Putnam US Large Cap Value Equity Managed Account Composite
- ◆ Remaining Product Universe
- ✕ Brandywine Global Investment Management, LLC - Classic Large Cap Value Unrestricted Composite
- Eaton Vance Management (International) Limited - Large Cap Value Strategy Master Composite
- ◆ ClearBridge Investments - Legg Mason ClearBridge Value Fund
- ▲ Ceredex Value Advisors LLC - Ceredex Large Cap Value Equity Composite

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## IQ Scores : - Benchmark: RUSSELL 1000 (EOD) VALUE - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	Putnam Investments	Putnam US Large Cap Value Equity Managed Account Composite	7.25	1.99	0.18	66.67	0.34	0.88	3.65	USD
2	Brandywine Global Investment Management, LLC	Classic Large Cap Value Unrestricted Composite	8.29	1.30	0.17	63.89	-0.33	0.81	6.40	USD
3	ClearBridge Investments	Legg Mason ClearBridge Value Fund	6.54	1.09	0.23	61.11	-1.36	0.70	5.98	USD
4	Ceredex Value Advisors LLC	Ceredex Large Cap Value Equity Composite	3.71	1.04	0.05	61.11	-0.73	0.64	3.56	USD
5	Eaton Vance Management (International) Limited	Large Cap Value Strategy Master Composite	2.42	1.31	0.13	58.33	-0.96	0.63	1.85	USD
6	Hotchkis & Wiley	Separate Account	3.90	0.41	0.26	55.56	-1.13	0.61	9.49	USD
7	MFS Investment Management	MFS Large Cap Value Equity	3.02	0.98	-0.14	63.89	-1.57	0.50	3.07	USD
8	Principal Global Investors	Edge Equity Income Composite	2.52	0.73	0.13	52.78	-1.27	0.48	3.47	USD
9	Boston Partners Global Investors, Inc.	Boston Partners Large Cap Value Equity	1.36	0.45	-0.13	61.11	-1.46	0.44	3.00	USD
10	ClariVest Asset Management LLC	ClariVest Large Cap Value	0.69	0.27	0.19	44.44	-1.21	0.43	2.55	USD
11	T. Rowe Price Group, Inc.	T. Rowe Price Funds SICAV - US Large-Cap Value Equity Fund	-0.86	-0.16	0.46	38.89	-1.23	0.40	5.40	USD
12	PGIM Quantitative Solutions LLC	PGIM Quantitative Solutions Large Cap Value Equity Composite	-3.06	-0.35	-0.67	58.33	-1.33	0.29	8.71	USD
13	Dimensional Fund Advisors	US Large Cap Value Composite	-2.04	-0.49	-0.31	55.56	-1.26	0.24	4.15	USD
14	State Street Global Advisors Limited	State Street US Value Spotlight Fund - I	-2.35	-0.35	-0.14	50.00	-1.37	0.20	6.76	USD
15	Payden & Rygel	Equity Income Composite	-0.13	-0.03	-0.12	50.00	-3.19	0.19	4.80	USD
16	Franklin Templeton Investments	FTIF - Franklin Mutual U.S. Value Fund - A (acc) USD	-6.67	-1.90	-0.29	38.89	-2.41	0.07	3.51	USD

Selection Criteria - Management Approach: Active Geographical Focus: US Asset Type: EQUITY Style: Value Size: Large Cap

# US High Yield (USD)

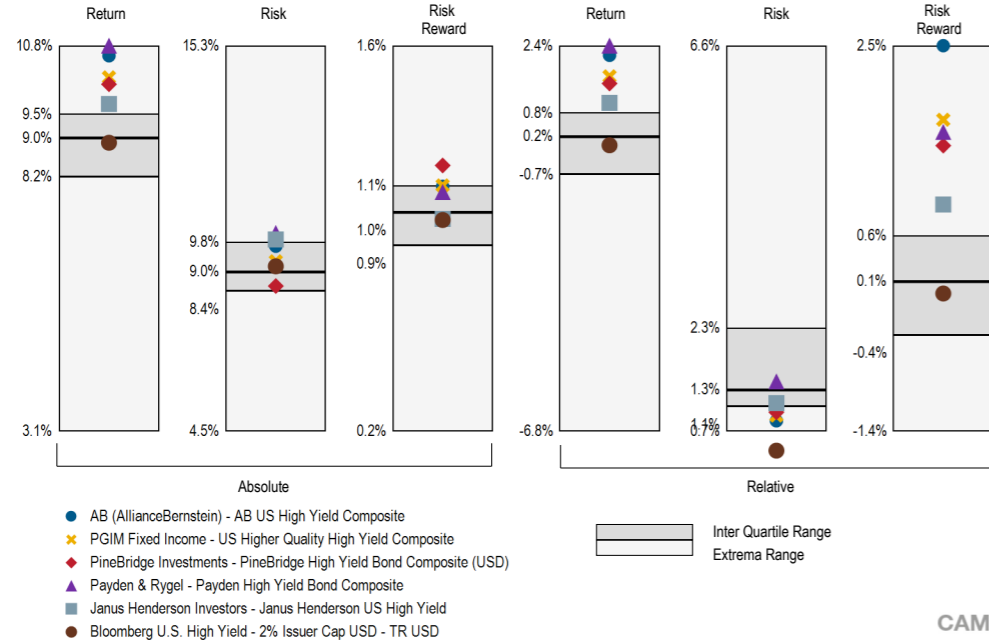
## Three Year Returns :

### US High Yield (USD)

Data 42 products

Benchmark Bloomberg U.S. High Yield - 2% Issuer Cap USD - TR USD

Period Three Years to Dec 2021



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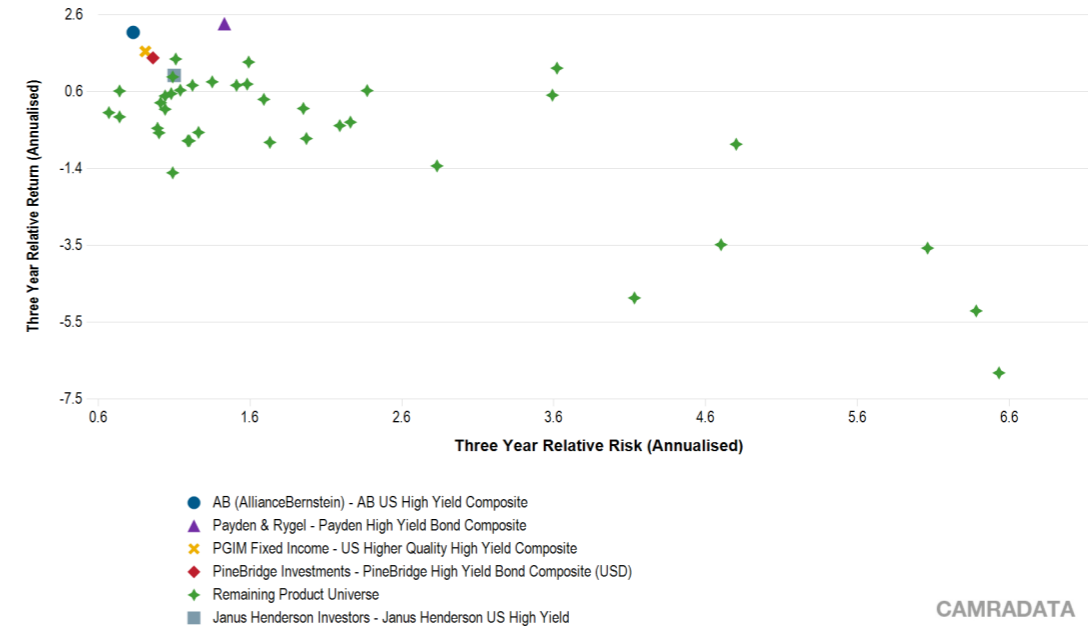
## Three Year Relative Risk Return :

### US High Yield (USD)

Data 42 products

Benchmark Bloomberg U.S. High Yield - 2% Issuer Cap USD - TR USD

Period Three Years to Dec 2021



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## IQ Scores : - Benchmark: Bloomberg U.S. High Yield - 2% Issuer Cap USD - TR USD

	Organization	Product Name	Excess Return %	Information Ratio	Wins - Losses %	Hit Rate %	Drawdown Strength	Score	Excess Risk %	Currency
1	AB (AllianceBernstein)	AB US High Yield Composite	2.14	2.49	0.10	75.00	0.29	0.93	0.86	USD
2	PGIM Fixed Income	US Higher Quality High Yield Composite	1.64	1.74	0.10	63.89	0.20	0.89	0.94	USD
3	PineBridge Investments	PineBridge High Yield Bond Composite (USD)	1.47	1.48	0.02	69.44	0.12	0.84	0.99	USD
4	Payden & Rygel	Payden High Yield Bond Composite	2.37	1.62	-0.10	80.56	0.11	0.81	1.46	USD
5	Janus Henderson Investors	Janus Henderson US High Yield	1.01	0.89	0.01	66.67	-0.54	0.79	1.13	USD
6	BlackRock	BGF USD High Yield Bond Fund	0.97	0.87	0.09	52.78	-1.12	0.74	1.12	USD
7	Franklin Templeton Investments	Franklin U.S. High Yield Broad Market Composite	0.75	0.60	0.01	58.33	-1.46	0.68	1.25	USD
8	Wellington Management Company LLP	Core High Yield Separate Account/Composite	0.60	0.78	0.04	55.56	-1.67	0.67	0.77	USD
9	Principal Global Investors	U.S High Yield Composite	0.47	0.44	0.00	55.56	-0.41	0.64	1.07	USD
10	Fidelity International	Fidelity Funds US High Yield	0.62	0.53	0.12	47.22	-1.88	0.63	1.17	USD
11	Voya Investment Management	Voya High Yield Composite	0.53	0.48	-0.06	63.89	-1.87	0.60	1.11	USD
12	Barings	U.S. High Yield Bonds Composite	0.38	0.22	-0.05	58.33	-1.16	0.58	1.72	USD
13	Columbia Threadneedle Investments EMEA APAC	Threadneedle (Lux) US High Yield Bond Fund (LU9048)	0.84	0.61	0.07	52.78	-2.66	0.58	1.38	USD
14	Seix Investment Advisors LLC	Seix High Yield Fixed Income	0.78	0.48	0.08	50.00	-2.38	0.57	1.61	USD
15	DDJ Capital Management, LLC	DDJ Upper Tier High Yield Composite	0.75	0.49	0.14	47.22	-2.65	0.57	1.54	USD
16	TCW	TCW Hgh Yield	1.20	0.33	0.29	41.67	-2.54	0.57	3.65	USD
17	Federated Hermes, Inc.	Federated Hermes High Yield Composite	0.29	0.28	0.05	47.22	-1.77	0.54	1.04	USD
18	Morgan Stanley Investment Management	Morgan Stanley U.S. High Yield Composite	-0.31	-0.14	-0.06	52.78	-0.87	0.48	2.22	USD
19	Eaton Vance Management (International) Limited	EVI (Ireland) US High Yield Bond Fund	0.03	0.04	-0.01	52.78	-1.94	0.46	0.70	USD
20	BNY Mellon Investment Management EMEA Limited	BNY Mellon Efficient U.S High Yield Beta Fund	-0.49	-0.38	-0.13	58.33	-1.50	0.45	1.29	USD

Selection Criteria - Management Approach: Active Geographical Focus: US Asset Type: BOND Strategy Type: Asset / Mortgage Backed, Broad Bond, Corporate, Convertible, Distressed Debt, Government, Gov/Corp, Gov/Corp > 50, Gov/Corp < 50, Money Market, Municipals - Taxable, TIPS, Sovereigns, Core, Duration, Municipals - Tax-Preferred Style: High Yield



The CAMRADATA Independent Quantitative (IQ) scores is a ranking reflecting five statistical factors measured over a three year period. Each factor generates a statistic which is shown as a percentage or a number in the table.

To rank products, the percentile ranking of each factor is determined and an overall master score is calculated. This is a simple average of all percentile rankings for each product across all five factors. Investment products which share the same value for a factor are assigned the same percentile rank within that factor.

The highest scoring products appear at the top of the table. For presentational purposes we apply a 'unique sort' to pick out only the best product for each manager.

The five statistical factors that make up the CAMRADATA IQ score are:

## Excess Return

A measure of overall added value. The underlying factor is the annualised excess return over the benchmark.

## Information Ratio

A measure of efficiency. The Information Ratio is the return added by the asset manager for each one per cent of risk being taken over the benchmark. Therefore the higher the Information Ratio the more return being added for the one percent of risk being taken. The underlying factor is calculated by taking the excess return and dividing it by the excess risk.

## Wins-Losses

A measure of the bet structure which a manager is taking. The underlying factor is calculated by taking the average positive relative returns away from the average negative relative returns. Investors use this to identify managers with a low frequency of winning but with a high payoff when a product beats the benchmark. Investors want to see that wins (positive returns) are greater than losses (negative returns); even if the wins are infrequent.

## Hit Rate

A measure of consistency. The underlying factor is the percentage of times the manager beats the benchmark. Generally you should expect a manager with strong consistency of beating the benchmark to have a probability of beating it greater than 50%.

## Drawdown Strength

A measure of downside management. This measures a product's worst observed 12 month risk adjusted relative return. It is in effect analysing the worst Information Ratio for each product in any 12 month period during the three years being measured. More credit is given to asset managers who have had positive 12 month risk adjusted relative returns and who took less risk to achieve it. Whilst during a 12mth period of negative returns, more credit is given to those asset managers who took more risk showing they were actively managing their products rather than being passive during these times.

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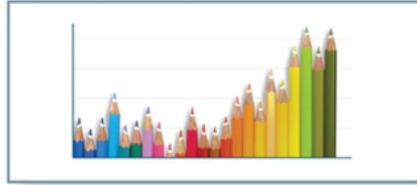
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Increasingly institutional investors are expecting a greater level of involvement in investment decision-making processes. Our Evaluation Service gives institutional investors clear, insightful investment analysis to aid better-informed and joined up discussions with asset managers.

## Consultancy Service



Whether your company is developing a new investment strategy, conducting a manager search or considering a new market to enter, you will require specific data to answer key strategic questions. Our Consultancy Service provides data analytics and bespoke reports, to meet your exact requirements.

## Solutions Service



Solvency II reporting requirements mean insurance companies and their asset managers will be required to produce reports in greater detail than ever before. Our Solutions Service facilitates the production of investment accounting, regulatory, Solvency II-compliant and audit-ready reports for the insurance industry.



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