Morningstar Wide Moat Focus Index

A wide moat focus provides differentiation versus well-known U.S. equity indexes.

Morningstar Indexes

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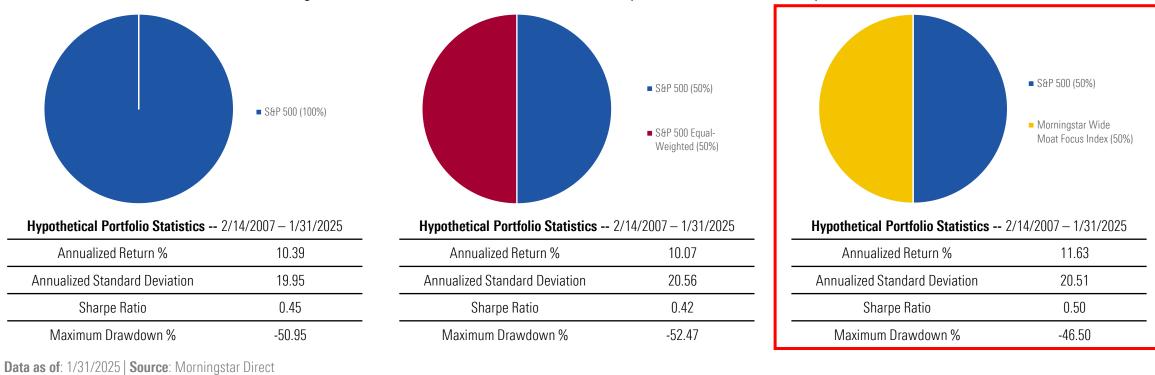
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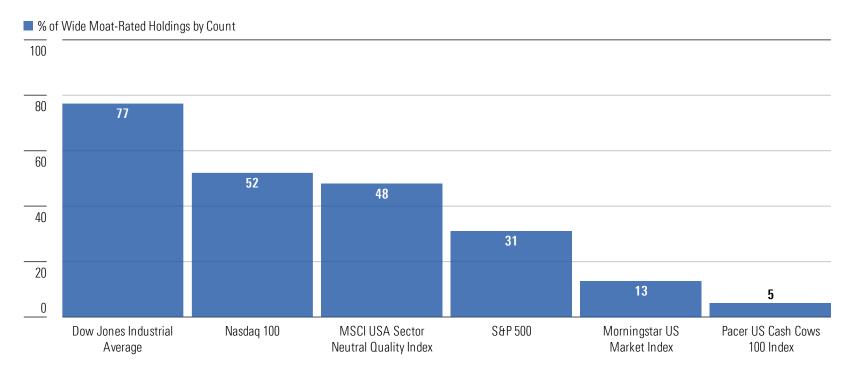
A Wide Moat Focus Provides the Benefits of Diversification

Looking beyond absolute total returns, the Morningstar Wide Moat Focus Index also provides valuable diversification relative to major U.S. equity indexes. This diversification stems from its wide moat and valuation screens as well as its equal weighting methodology. The index tends to exhibit somewhat of a contrarian bias. Considering which stocks have been the biggest recent contributors to broad market returns, it is typically underweight the "haves" and overweight the "have-nots". Since inception, its focus on attractive valuations has helped the Morningstar Wide Moat Focus Index generate a 12.7% total return versus 10.4% for the S&P 500. Importantly, this outperformance has come without doubling down on the largest companies by market cap. Over the long-term, the potent combination of strong performance and diversification benefits has made the Morningstar Wide Moat Focus Index attractive as a complement to broad market exposure.



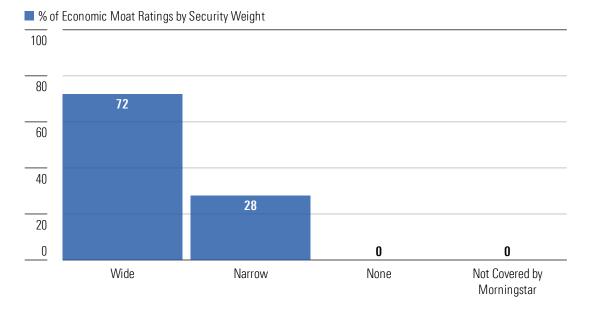
WORNINGSTAR WIDE MOAT FOCUS INDEX Wide Economic Moats Are Less Common Across Major Indexes Than Most Would Suspect

In this report, we assess how common wide moat-rated companies are within well-known U.S. large-cap U.S. equity indexes, which helps reveal how much differentiation the Morningstar Wide Moat Focus Index can provide. For example, only 31% of S&P 500 constituents boast a wide economic moat rating. Across the largest U.S. stocks by market cap, companies that are rated "narrow" rather than "wide" include Tesla, Berkshire Hathaway, UnitedHealth Group, Exxon Mobil, Netflix, Oracle, and Chevron.

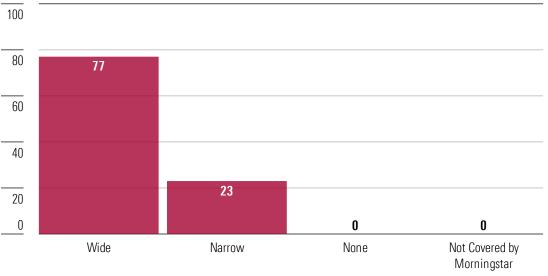


Note: While Morningstar doesn't cover every constituent of these indexes, our coverage skews towards firms with economic moats. We cover all companies that we feel are deserving of a wide moat rating. Data as of: 1/31/2025 | Source: Morningstar Direct

Dow Jones Industrial Average

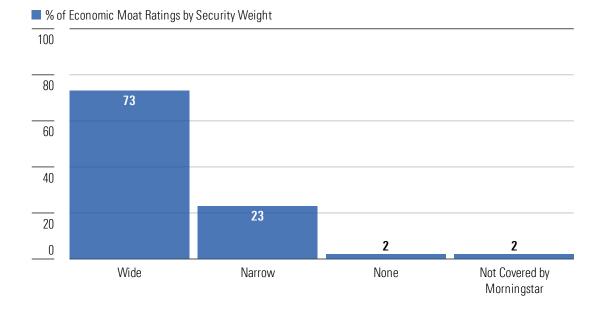


■ % of Economic Moat Ratings by Security Count

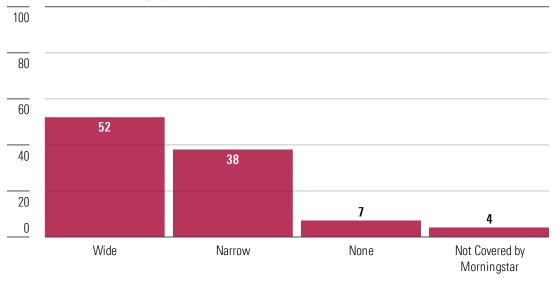


Top 10 Holdings										
Company	Ticker	Sector	Economic Moat Rating	Price-To-Fair Value Estimate	Wide Moat Focus Index Weight %	DJIA Index Weight %	+/- Weight %			
The Goldman Sachs Group Inc	GS	Financial Services	Narrow	1.30	-	8.84	-8.84			
UnitedHealth Group Inc	UNH	Healthcare	Narrow	0.91	-	7.39	-7.39			
The Home Depot Inc	HD	Consumer Cyclical	Wide	1.42	-	5.66	-5.66			
Microsoft Corp	MSFT	Technology	Wide	0.84	1.17	5.66	-4.49			
Sherwin-Williams Co	SHW	Basic Materials	Wide	1.48	-	4.99	-4.99			
Caterpillar Inc	CAT	Industrials	Wide	0.84	-	4.91	-4.91			
Visa Inc Class A	V	Financial Services	Wide	1.21	-	4.78	-4.78			
Salesforce Inc	CRM	Technology	Wide	1.10	1.62	4.76	-3.14			
American Express Co	AXP	Financial Services	Wide	1.39	-	4.39	-4.39			
Amgen Inc	AMGN	Healthcare	Wide	0.92	1.33	4.21	-2.88			

NORNINGSTAR WIDE MOAT FOCUS INDEX Nasdaq 100 Index

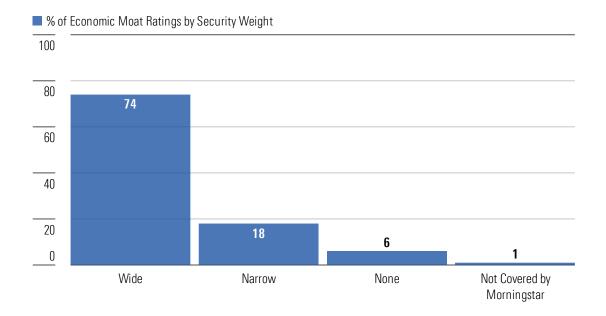


■ % of Economic Moat Ratings by Security Count

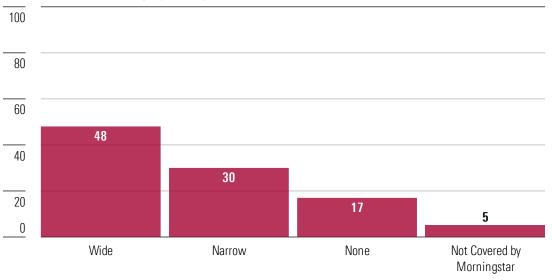


Top 10 Holdings										
Company	Ticker	Sector	Economic Moat Rating	Price-To-Fair Value Estimate	Wide Moat Focus Index Weight %	Nasdaq 100 Index Weight %	+/- Weight %			
Apple Inc	AAPL	Technology	Wide	1.16	-	9.01	-9.01			
Microsoft Corp	MSFT	Technology	Wide	0.84	1.17	7.79	-6.62			
NVIDIA Corp	NVDA	Technology	Wide	0.96	-	7.42	-7.42			
Amazon.com Inc	AMZN	Consumer Cyclical	Wide	1.18	1.52	6.31	-4.79			
Broadcom Inc	AVGO	Technology	Wide	1.22	-	4.32	-4.32			
Meta Platforms Inc Class A	META	Communication Services	Wide	0.92	-	3.79	-3.79			
Tesla Inc	TSLA	Consumer Cyclical	Narrow	1.51	-	3.71	-3.71			
Alphabet Inc Class A	GOOGL	Communication Services	Wide	0.81	2.87	3.01	-0.14			
Alphabet Inc Class C	GOOG	Communication Services	Wide	0.82	-	2.87	-2.87			
Costco Wholesale Corp	COST	Consumer Defensive	Wide	1.86	-	2.70	-2.70			

MORNINGSTAR WIDE MOAT FOCUS INDEX MSCI USA Sector Neutral Quality Index

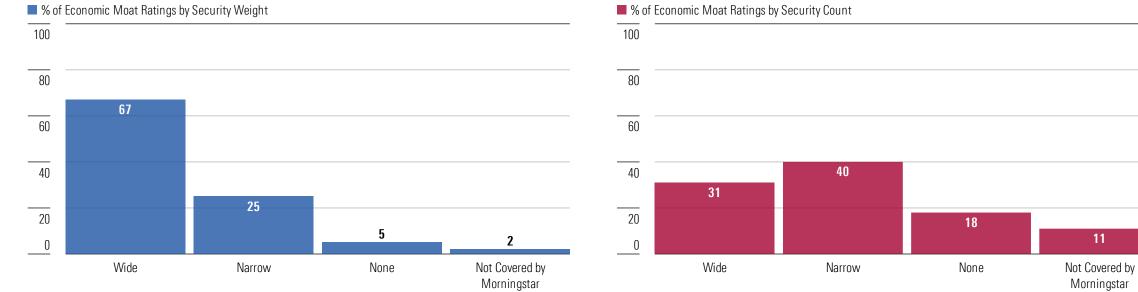


■ % of Economic Moat Ratings by Security Count



	Top 10 Holdings										
Company	Ticker	Sector	Economic Moat Rating	Price-To-Fair Value Estimate	Wide Moat Focus Index Weight %	MSCI Quality Factor Index Weight %	+/- Weight %				
Apple Inc	AAPL	Technology	Wide	1.16	-	6.30	-6.30				
Microsoft Corp	MSFT	Technology	Wide	0.84	1.17	5.87	-4.70				
Visa Inc Class A	V	Financial Services	Wide	1.21	-	4.94	-4.94				
NVIDIA Corp	NVDA	Technology	Wide	0.96	-	4.93	-4.93				
Mastercard Inc Class A	MA	Financial Services	Wide	1.22	-	4.60	-4.60				
Meta Platforms Inc Class A	META	Communication Services	Wide	0.92	-	4.17	-4.17				
Eli Lilly and Co	LLY	Healthcare	Wide	1.45	-	3.25	-3.25				
TJX Companies Inc	TJX	Consumer Cyclical	Wide	1.48	-	2.25	-2.25				
UnitedHealth Group Inc	UNH	Healthcare	Narrow	0.91	-	2.17	-2.17				
Alphabet Inc Class A	GOOGL	Communication Services	Wide	0.81	2.87	2.14	0.73				

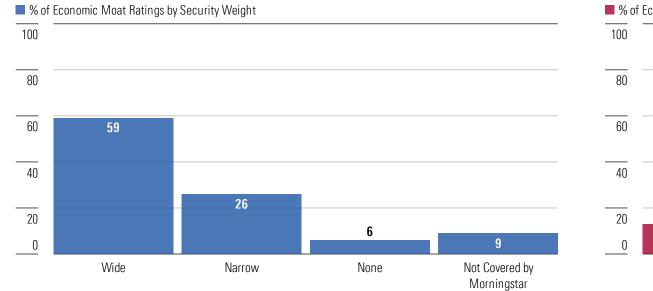
MORNINGSTAR WIDE MOAT FOCUS INDEX S&P 500 Index



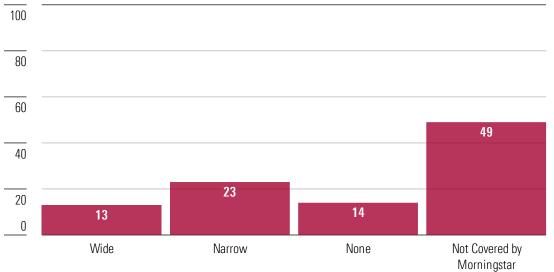
% of Economic Moat Ratings by Security Count

Top 10 Holdings										
Company	Ticker	Sector	Economic Moat Rating	Price-To-Fair Value Estimate	Wide Moat Focus Index Weight %	S&P 500 Index Weight %	+/- Weight %			
Apple Inc	AAPL	Technology	Wide	1.16	-	6.97	-6.97			
Microsoft Corp	MSFT	Technology	Wide	0.84	1.17	6.03	-4.86			
NVIDIA Corp	NVDA	Technology	Wide	0.96	-	5.75	-5.75			
Amazon.com Inc	AMZN	Consumer Cyclical	Wide	1.18	1.52	4.35	-2.83			
Meta Platforms Inc Class A	META	Communication Services	Wide	0.92	-	2.94	-2.94			
Alphabet Inc Class A	GOOGL	Communication Services	Wide	0.81	2.87	2.33	0.54			
Tesla Inc	TSLA	Consumer Cyclical	Narrow	1.51	-	2.21	-2.21			
Broadcom Inc	AVGO	Technology	Wide	1.22	-	2.02	-2.02			
Alphabet Inc Class C	GOOG	Communication Services	Wide	0.82	-	1.91	-1.91			
Berkshire Hathaway Inc Class B	BRK.B	Financial Services	Narrow	1.01	-	1.68	-1.68			

MORNINGSTAR WIDE MOAT FOCUS INDEX Morningstar US Market Index

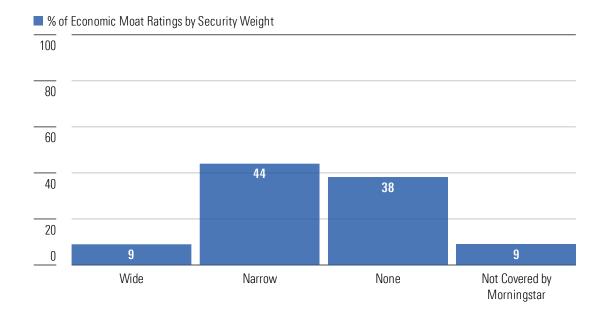


% of Economic Moat Ratings by Security Count

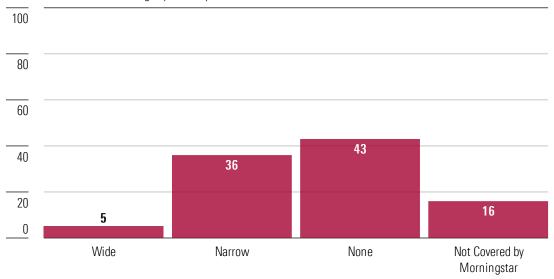


Top 10 Holdings										
Company	Ticker	Sector	Economic Moat Rating	Price-To-Fair Value Estimate	Wide Moat Focus Index Weight %	M* US Market Index Weight %	+/- Weight %			
Apple Inc	AAPL	Technology	Wide	1.16	-	6.23	-6.23			
Microsoft Corp	MSFT	Technology	Wide	0.84	1.17	5.39	-4.22			
NVIDIA Corp	NVDA	Technology	Wide	0.96	-	4.96	-4.96			
Amazon.com Inc	AMZN	Consumer Cyclical	Wide	1.18	1.52	3.94	-2.42			
Meta Platforms Inc Class A	META	Communication Services	Wide	0.92	-	2.63	-2.63			
Alphabet Inc Class A	GOOGL	Communication Services	Wide	0.81	2.87	2.08	0.79			
Tesla Inc	TSLA	Consumer Cyclical	Narrow	1.51	-	1.97	-1.97			
Alphabet Inc Class C	GOOG	Communication Services	Wide	0.82	-	1.85	-1.85			
Broadcom Inc	AVGO	Technology	Wide	1.22	-	1.77	-1.77			
Berkshire Hathaway Inc Class B	BRK.B	Financial Services	Narrow	1.01	-	1.47	-1.47			

Pacer US Cash Cows 100 Index



■ % of Economic Moat Ratings by Security Count



Top 10 Holdings										
Company	Ticker	Sector	Economic Moat Rating	Price-To-Fair Value Estimate	Wide Moat Focus Index Weight %	Pacer US Cash Cows Index Weight %	+/- Weight %			
Qualcomm Inc	QCOM	Technology	Narrow	0.98	-	2.27	-2.27			
Gilead Sciences Inc	GILD	Healthcare	Wide	1.03	2.78	2.23	0.55			
Valero Energy Corp	VLO	Energy	Narrow	1.10	-	2.20	-2.20			
Tenet Healthcare Corp	THC	Healthcare	None	1.04	-	2.15	-2.15			
Marathon Petroleum Corp	MPC	Energy	Narrow	1.11	-	2.15	-2.15			
Cencora Inc	COR	Healthcare	Narrow	1.05	-	2.14	-2.14			
AT&T Inc	T	Communication Services	Narrow	0.94	-	2.11	-2.11			
Bristol-Myers Squibb Co	BMY	Healthcare	Wide	0.90	2.82	2.07	0.75			
EOG Resources Inc	EOG	Energy	Narrow	1.01	-	2.06	-2.06			
Schlumberger Ltd	SLB	Energy	Narrow	0.76	-	2.05	-2.05			

WORNINGSTAR WIDE MOAT FOCUS INDEX Wide Economic Moats Provide Attractive Investment Characteristics...

An economic moat is a forward-looking assessment of business quality. To earn a wide economic moat rating in the eyes of the Morningstar Equity Research team, a company must have a competitive advantage that will prove durable, with near certainty, over at least the next ten years and, more likely than not, over the next twenty years. Additionally, a company must exhibit at least one economic moat source (intangible assets, switching costs, cost advantage, network effect, efficient scale) and be likely to generate returns on invested capital (ROIC) above its weighted average cost of capital (WACC), twenty years from now.

Wide economic moats are difficult to cultivate and represent a distinguishing characteristic. While a wide moat, in and of itself, isn't predictive of stock performance, it does come with attractive characteristics. All else equal, wide moat companies typically enjoy more favorable growth prospects, higher margins, lower reinvestment needs, and higher free cash flow than similar companies that lack a durable competitive advantage.

Economic Moat

Competitive Advantage

Growth Profitability Invested Capital Free Cash Flow

Intrinsic Value

Economic Profit

MORNINGSTAR WIDE MOAT FOCUS INDEX

... As Reflected By Favorable Financial Metrics

After screening by economic moat rating, all stocks in the Morningstar US Market Index that are covered by Morningstar equity analysts are captured by the indexes in the top three rows of the table below. Each index is market cap-weighted.

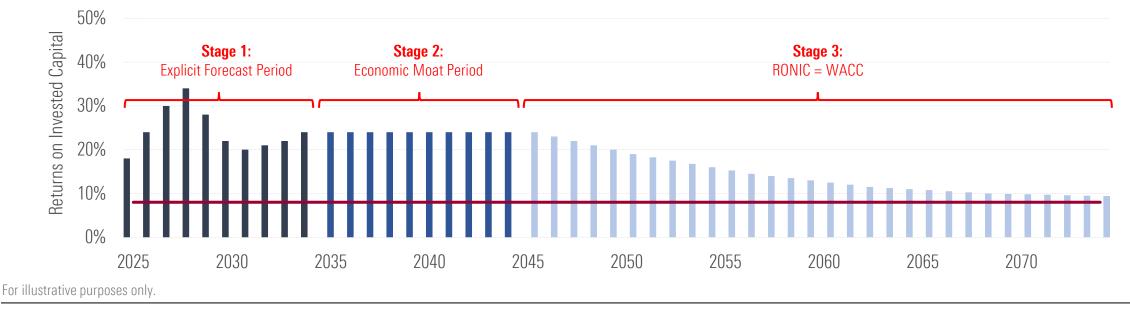
Consistent with the view that wide moat-rated stocks come with attractive investment characteristics, the Morningstar Wide Moat Index exhibits a higher return on invested capital, return on equity, P/E ratio, and P/S ratio, along with lower risk, than its narrow- and no-moat variants. Across all six metrics, it also compares favorably to the S&P 500 and Morningstar US Market Index. Accordingly, the wide economic moat rating helps screen for high quality companies. This cohort of U.S. wide moat-rated companies represents the selection set for the Morningstar Wide Moat Focus Index.

Index	Weighting Mechanism	# of Holdings	ROIC % (TTM)	ROE % (TTM)	P/E Ratio (TTM)	P/S Ratio (TTM)	Standard Deviation (T5yr)
Morningstar Wide Moat Index	Market Cap	168	32.12	40.12	32.34	5.60	18.05
Morningstar Narrow Moat Index	Market Cap	300	10.05	18.86	21.23	2.00	19.12
Morningstar No Moat Index	Market Cap	181	5.81	12.15	18.56	1.28	24.24
S&P 500	Market Cap	503	25.97	32.97	27.00	3.25	18.21
Morningstar US Market Index	Market Cap	1,271	23.67	30.74	26.43	3.06	18.77

A Wide Economic Moat Extends the Duration of Economic Profits

In the Morningstar three-stage discounted cash flow model, a wide economic moat rating ensures that returns on invested capital remain above weighted average cost of capital for at least twenty years. If Morningstar were to downgrade a company's economic moat rating from "wide" to "none", stage two would disappear, stage three would kick in immediately after stage one, economic profits would decrease, and the company's fair value would decline.

Stage 1: Morningstar equity analysts forecast a company's financial statements over either a five- or ten-year period.
Stage 2: When a wide economic moat exists, this stage ensures that returns on invested capital remain elevated for at least twenty years.
Stage 3: All moats erode eventually. In this stage, returns on newly invested capital equal the company's weighted average cost of capital, causing ROICs to fade.



Example: Wide Economic Moat Company

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