

Morningstar[®] Broad Style Indexes[™]

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Contact Us

indexes@morningstar.com

U.S.	+1 312 384 3735
Europe	+44 20 3194 1082
Australia	+612 9276 4446
Japan	+81 3 5511 7540
Asia	+852 2973 4680

Since its creation in 1992, the Morningstar Style Box has served as a reference point for investors. The style box characterizes investments by their fundamental attributes, dividing the equity market along dimensions of size and valuation. Investors use the style box for diversification, asset allocation, and performance evaluation.

The Morningstar Broad Style Indexes align with the value/growth assignments of the equity style box, underpinned by a 10-factor model that paints a holistic picture of style. The indexes reflect that companies can display both growth and value characteristics. Size index assignments are determined by targeting a fixed percentage of market capitalization, which maintains consistency over time.

The indexes provide an accurate and consistent representation of the opportunity set available to international style investors, facilitating accurate performance benchmarking.

Index constituents are drawn from the Morningstar US Market Extended Index, which targets representation of 99.5% of the investable US equity market. Each style index is derived from a parent index focused on a specific size segment. The value and growth indexes both target stocks representing half of the parent index, and together provide full coverage of the parent index.



Style scores

All eligible stocks are assigned a composite value/growth style score, based on 10 distinct historical and forward-looking variables (five for value and five for growth). Value and growth scores are combined so that each accounts for one half of a stock's final style score. Stocks are then assigned to pure growth, pure value, or a blend based on the relative strength of their style score. Each group comprises roughly one third of the market capitalization within its respective size segment. Pure value and pure growth stocks are fully allocated to their respective style indexes. Stocks that fall in the middle of the valuegrowth spectrum are partially allocated to both the value and growth indexes.

Style scores

1. Determine a Value Score

Factors		Weight %
Forward-Looking	Price-to-Projected Earnings	50.00
Historical	Price-to-Book	12.5
	Price-to-Sales	12.5
	Price-to-Cash-Flow	12.5
	Dividend Yield	12.5

Factors		Weight %
Forward-Looking	Long-Term Projected Earnings Growth	50.00
Historical	Earnings Growth	12.5
	Sales Growth	12.5
	Cash Flow Growth	12.5
	Book Value Growth	12.5

2. Determine a Growth Score

3. Determine a Style Score



Portfolio construction

Pure value and pure growth stocks are weighted in proportion to their float adjusted market cap. Stocks that fall in the middle of the value-growth spectrum are weighted based on a combination of their float adjusted market cap and style tilt inclusion factor.

Reconstitution

The Morningstar Broad Style Indexes are reconstituted semi-annually in June and December and are rebalanced quarterly.

Construction process

Starting universe

- Morningstar US Market Extended Index (covers stocks representing top 99.5% of investable market)
- · Cap bands are as follows:
- Large Cap: Top 70%
- Large-Mid: Top 90%
- Mid Cap: 70-90%
- Small Cap: 90-99.5%

Style assignment

- Value and Growth indexes target half of their respective size segments, using the same style metrics as the Morningstar Style Box
- · Stocks that fall in the middle of the value-growth spectrum are partially allocated to both the value and growth indexes

Portfolio construction

- · Stocks are weighted by floatadjusted market capitalization
- Value Index + Growth Index = Broad Size Index

Morningstar Broad Style Indexes

About Morningstar Indexes

Morningstar Indexes was built to keep up with the evolving needs of investors — and to be a leading-edge advocate for them. Our rich heritage as a transparent, investor-focused leader in data and research uniquely equips us to support individuals, institutions, wealth managers and advisors in navigating investment opportunities across major asset classes, styles and strategies. From traditional benchmarks and unique IP-driven indexes, to index design, calculation and distribution services, our solutions span an investment landscape as diverse as investors themselves.

Please visit indexes.morningstar.com for more information.