Group Selection

Priced as of August 13, 2018

Note: Group tickers incorporate hyperlinks to decile charts, and then a link to our Toolkit of the group members.

See back pages for user guide and disclaimer.
Sources for all charts: BMO Capital Markets
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**Sector Relative Strength Profiles**

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<tbody>
<tr>
<td>Energy</td>
<td>53% / 58% / 59%</td>
<td>/ /</td>
<td>-8% / 0% / -3%</td>
</tr>
<tr>
<td>Materials</td>
<td>32% / 38% / 35%</td>
<td>/ /</td>
<td>-24% / -14% / -15%</td>
</tr>
<tr>
<td>Industrials</td>
<td>37% / 44% / 42%</td>
<td>/ /</td>
<td>-10% / 0% / 0%</td>
</tr>
<tr>
<td>CMR Disc</td>
<td>41% / 46% / 44%</td>
<td>/ /</td>
<td>-16% / -6% / -5%</td>
</tr>
<tr>
<td>CMR Stap</td>
<td>38% / 43% / 43%</td>
<td>/ /</td>
<td>-17% / -6% / -7%</td>
</tr>
<tr>
<td>Hlth Care</td>
<td>55% / 60% / 59%</td>
<td>/ /</td>
<td>-7% / 2% / 1%</td>
</tr>
<tr>
<td>Financials</td>
<td>37% / 47% / 40%</td>
<td>/ /</td>
<td>-14% / 0% / 1%</td>
</tr>
<tr>
<td>Info Tech</td>
<td>52% / 58% / 57%</td>
<td>/ /</td>
<td>-7% / 3% / 2%</td>
</tr>
<tr>
<td>Telecom</td>
<td>19% / 32% / 25%</td>
<td>/ /</td>
<td>-1% / 5% / 11%</td>
</tr>
<tr>
<td>Utilities</td>
<td>38% / 51% / 44%</td>
<td>/ /</td>
<td>-9% / -5% / 0%</td>
</tr>
<tr>
<td>Real Estate</td>
<td>52% / 62% / 52%</td>
<td>/ /</td>
<td>-12% / -5% / 4%</td>
</tr>
</tbody>
</table>

*Three terms define the relative performance Z-Score rating versus the markets (US = S&P 500; GBL = MSCI AC World; CDA = S&P/TSX Composite)
(a) % Outperforming - what percentage of sector members is outperforming the market,
(b) Reward/Risk - how consistent is the median relative strength performance of the sector membership ( / ranking),
(c) Trend Psn - what is the net percentage of the sector members which are breaking above/below relative strength channels.
The strength z-Score is weighted 60% towards the trend parameters (% outperforming and reward/risk ratios) and 40% towards the trend positions (reversals of trends). Gridlines are placed at 0.5 increments.

See Help Pages for further details.
OG Drill: 14 stocks; $32bn
OG StTr: 23 stocks; $662bn
OG Equip: 60 stocks; $288bn
OG RfMkt: 43 stocks; $552bn
Int O&G: 31 stocks; $1667bn
OG E&P: 113 stocks; $878bn
Coal&Uran: 24 stocks; $83bn

Energy

Momentum

Strength
Telecommunication Services

Momentum

Strength

AltCar
11 stocks; $61bn

WlsTelSrv
44 stocks; $881bn

IntgTelSrv
57 stocks; $1240bn

August 13, 2018

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Utilities

Momentum

Strength

MultiUtil  ▼  36 stocks; $463bn
RenewElec  ▼  20 stocks; $55bn
WaterUtil  ▲  23 stocks; $91bn
GasUtil  ▲  36 stocks; $245bn
ElecUtil  ▼  88 stocks; $1130bn
IPPTrad  ▲  23 stocks; $108bn
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Real Estate

Momentum

Strength

SpecREIT 53 stocks; $352bn
HCareREIT 17 stocks; $283bn
ResidREIT 27 stocks; $163bn
IndusREIT 23 stocks; $118bn
HotelREIT 18 stocks; $58bn

RetailREIT 50 stocks; $313bn
OfficeREIT 34 stocks; $193bn

DiversREIT 37 stocks; $157bn

HServ 12 stocks; $39bn

REstDvAct 34 stocks; $304bn
REstOpCo 38 stocks; $237bn
REstDev 86 stocks; $313bn
User Guide 1 - Definitions & Dataset

Group Strength
Our Global Group analysis is based on bottom-up equity relative strength analysis as opposed to industry group (index) relative strength analysis.

Strength Decile Defined By
1. What percentage of a group's members are outperforming
2. How consistent that outperformance is
3. How the members are positioned (above/below) vs. their trend channels.

Momentum Decile
Rate of change of strength (change in 5-day moving average)

The Underlying Equity Relative Strength Analysis
Each day, for every equity we cover, our relative strength system assesses the best fit trend from a spectrum which covers a minimum trend duration of six months, and a maximum of 4-years. The "best fit" is the trend which maximizes duration, and minimizes deviation from the trend. Our process is flexible, thorough, and because it is run daily, timely.

The Dataset:
- Over 5,700 securities.
- Groups have a:
  - Median depth of 28
  - Average depth of 36

Heat Map Colour and Symbol Guide
Strength is highlighted by the background of the group title
- Bright green = best (1st decile) transitions towards...
- Bright red = worst (10th decile)
Momentum is highlighted in the border of the group title
- Colour map for momentum is the same as strength
Symbols to the right of the group ticker show where a group moved from in the previous session. Below the group symbol we highlight the number and total market capitalization of the members in a group. Clicking on the group, which brings up the chart via a hyperlink, will help to clarify the moves.
User Guide 2 - Momentum

Our Goals:
- To buy outperforming stocks in favoured groups
- To avoid underperforming stocks in unfavoured groups
- To be alerted of and act on the changes

#1 Rule of Momentum: You can use it only if it exists

- In stable/trending markets, one can buy stocks with high strength and momentum and hold them as long as momentum does not turn negative (trend following).

- In very rotational markets (e.g., where credit, currency, commodity conditions are choppy/changing):
  - Buying high strength and high momentum may be dangerous (buying yesterday’s winners).
  - One is better off buying stocks with moderate strength and high momentum (bottom fishing).
User Guide 3 - Buy/Hold/Sell

Buy
- Groups with high strength and high positive momentum (top left) - “In Favour”
- Groups with moderate strength and high positive momentum - “Transitioning to Positive”
- Groups with mediocre strength and high positive momentum - “Gaining Favour”

Buy/Hold
- Groups with high strength and neutral momentum (middle left) - “Maintaining Favour”

Sell
- Groups with low strength and high negative momentum (bottom right) - “Out of Favour”
- Groups with moderately negative strength and high negative momentum - “Transitioning to Negative”
- Groups with mediocre strength and high negative momentum - “Losing Favour”
- Each group is hyperlinked to a chart that shows the relative strength decile as a function of time, and the moving average (momentum).

- Each chart is hyperlinked to the group membership, in our RS Filter Toolkit.
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<td>Buy</td>
<td>Outperform</td>
<td>43.2%</td>
<td>22.8%</td>
<td>57.4%</td>
<td>44.1%</td>
<td>57.0%</td>
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<td>Hold</td>
<td>Market Perform</td>
<td>53.2%</td>
<td>13.1%</td>
<td>40.6%</td>
<td>52.6%</td>
<td>41.1%</td>
<td>41.6%</td>
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<tr>
<td>Sell</td>
<td>Underperform</td>
<td>3.7%</td>
<td>9.5%</td>
<td>2.0%</td>
<td>3.2%</td>
<td>1.6%</td>
<td>5.5%</td>
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* Reflects rating distribution of all companies covered by BMO Capital Markets Corp. equity research analysts.
** Reflects rating distribution of all companies from which BMO Capital Markets Corp. has received compensation for Investment Banking services as percentage within ratings category.
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Und = Underperform - Forecast to underperform the analyst’s coverage universe on a total return basis;
(S) = Speculative investment;
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(January 2010 - April 2013)

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