Group Selection

Priced as of July 12, 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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<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Energy</td>
<td>47% / 51% / 56%</td>
<td>/ / /</td>
<td>-1% / 6% / -8%</td>
</tr>
<tr>
<td>Materials</td>
<td>39% / 43% / 47%</td>
<td>/ / /</td>
<td>-22% / -15% / -24%</td>
</tr>
<tr>
<td>Industrials</td>
<td>40% / 44% / 48%</td>
<td>/ / /</td>
<td>-18% / -8% / -20%</td>
</tr>
<tr>
<td>CMR Disc</td>
<td>44% / 48% / 50%</td>
<td>/ / /</td>
<td>-17% / -8% / -16%</td>
</tr>
<tr>
<td>CMR Stap</td>
<td>40% / 46% / 47%</td>
<td>/ / /</td>
<td>-10% / -2% / -16%</td>
</tr>
<tr>
<td>Hlth Care</td>
<td>57% / 59% / 61%</td>
<td>/ / /</td>
<td>-1% / 9% / -2%</td>
</tr>
<tr>
<td>Financials</td>
<td>45% / 50% / 54%</td>
<td>/ / /</td>
<td>-27% / -14% / -25%</td>
</tr>
<tr>
<td>Info Tech</td>
<td>55% / 57% / 63%</td>
<td>/ / /</td>
<td>-7% / 2% / -8%</td>
</tr>
<tr>
<td>Telecom</td>
<td>19% / 27% / 37%</td>
<td>/ / /</td>
<td>-9% / -2% / -12%</td>
</tr>
<tr>
<td>Utilities</td>
<td>36% / 41% / 48%</td>
<td>/ / /</td>
<td>-5% / 1% / -11%</td>
</tr>
<tr>
<td>Real Estate</td>
<td>51% / 54% / 61%</td>
<td>/ / /</td>
<td>-10% / 2% / -13%</td>
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*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
### Strength Changes Last Session

<table>
<thead>
<tr>
<th>Momentum</th>
<th>Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>InsurBrkrs</td>
<td>OfficeREIT</td>
</tr>
<tr>
<td>ConsmrFin</td>
<td>Reinsur</td>
</tr>
<tr>
<td>HCEquip</td>
<td>ITConsult</td>
</tr>
<tr>
<td>DvSpSrv</td>
<td>HotelREIT</td>
</tr>
<tr>
<td>Aero&amp;Def</td>
<td>HmEntSwr</td>
</tr>
<tr>
<td>FrstPrd</td>
<td>Trucking</td>
</tr>
<tr>
<td>Fert&amp;Ag</td>
<td>Mov&amp;Ent</td>
</tr>
</tbody>
</table>

Mark Steele (416) 359-4641
BMO Capital Markets
Consumer Staples

- **FdRetail**: 36 stocks; $366bn
- **HhldPrdct**: 18 stocks; $545bn
- **PersPrdct**: 33 stocks; $518bn
- **Dist&Vnt**: 12 stocks; $374bn
- **SoftDrnks**: 19 stocks; $524bn
- **PkgFdMt**: 123 stocks; $1181bn
- **DrugRetail**: 6 stocks; $84bn
- **Brewers**: 14 stocks; $480bn
- **SprCntrs**: 13 stocks; $503bn
- **AgriProd**: 25 stocks; $107bn
Momentum

Strength

Telecommunication Services

July 12, 2018

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IntgTelSrv ↓
58 stocks; $1267bn

AltCar ↑
11 stocks; $66bn

WlsTelSrv ↓
44 stocks; $869bn

IntgTelSrv ↓
58 stocks; $1267bn

WlsTelSrv ↓
44 stocks; $869bn
July 12, 2018

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Utilities

Momentum

Strength

GasUtil
38 stocks; $244bn

IPP Trad
24 stocks; $114bn

WaterUtil
23 stocks; $82bn

MultiUtil
24 stocks; $456bn

ElecUtil
89 stocks; $1156bn

RenewElec
20 stocks; $55bn

Utilities

Gas Util
IPP Trad
Water Util
Multi Util
Elec Util
Renew Elec
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 are members 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).
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”
User Guide 4 - Hyperlinks To Decile Charts & Stock Selection

- 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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<tbody>
<tr>
<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>
<td>52.8%</td>
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<tr>
<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>
</tr>
<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>
</tr>
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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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(S) = Speculative investment;
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