Group Selection

Priced as of September 6, 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 View

#### Sector Relative Strength Profiles*

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<tr>
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</thead>
<tbody>
<tr>
<td>Energy</td>
<td>50% / 58% / 56%</td>
<td>/ / /</td>
<td>-20% / -13% / -10%</td>
</tr>
<tr>
<td>Materials</td>
<td>25% / 34% / 29%</td>
<td>/ / /</td>
<td>-19% / -11% / -1%</td>
</tr>
<tr>
<td>Industrials</td>
<td>33% / 44% / 40%</td>
<td>/ / /</td>
<td>-5% / 6% / 17%</td>
</tr>
<tr>
<td>CMR Disc</td>
<td>37% / 44% / 42%</td>
<td>/ / /</td>
<td>-13% / -6% / 4%</td>
</tr>
<tr>
<td>CMR Stap</td>
<td>34% / 42% / 37%</td>
<td>/ / /</td>
<td>-14% / 1% / 6%</td>
</tr>
<tr>
<td>Hlth Care</td>
<td>54% / 62% / 58%</td>
<td>/ / /</td>
<td>-3% / 6% / 14%</td>
</tr>
<tr>
<td>Financials</td>
<td>31% / 44% / 37%</td>
<td>/ / /</td>
<td>-7% / 3% / 15%</td>
</tr>
<tr>
<td>Info Tech</td>
<td>48% / 57% / 54%</td>
<td>/ / /</td>
<td>-7% / 1% / 7%</td>
</tr>
<tr>
<td>Telecom</td>
<td>17% / 27% / 23%</td>
<td>/ / /</td>
<td>-11% / 3% / 15%</td>
</tr>
<tr>
<td>Utilities</td>
<td>34% / 50% / 42%</td>
<td>/ / /</td>
<td>-5% / 1% / 13%</td>
</tr>
<tr>
<td>Real Estate</td>
<td>47% / 62% / 53%</td>
<td>/ / /</td>
<td>-9% / -3% / 14%</td>
</tr>
</tbody>
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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.
Momentum

Strength

September 6, 2018

Mark Steele (416) 359-4641

Materials

PapProd  24 stocks; $109bn
IndusGas  8 stocks; $149bn
PrecMet  19 stocks; $40bn
Alumin  10 stocks; $42bn
DiversChm  22 stocks; $390bn
Steel  60 stocks; $411bn
Silver  11 stocks; $16bn
SpecChm  68 stocks; $567bn
MtGlsCnt  14 stocks; $60bn
DvrsMng  84 stocks; $373bn
Copper  18 stocks; $52bn
Gold  17 stocks; $156bn
FrstPrd  11 stocks; $30bn
ComdChm  43 stocks; $417bn
Fert&Ag  29 stocks; $151bn
PaperPkg  17 stocks; $127bn
CstrMat  28 stocks; $234bn
September 6, 2018

**Real Estate**

**Momentum**

- SpecREIT: 33 stocks, $356bn
- IndusREIT: 22 stocks, $122bn
- OfficeREIT: 34 stocks, $176bn
- HotelREIT: 16 stocks, $60bn
- RetailREIT: 52 stocks, $295bn
- HCareREIT: 17 stocks, $102bn
- ResidREIT: 27 stocks, $168bn
- DiversREIT: 36 stocks, $151bn

**Strength**

- OfficeREIT: 34 stocks, $176bn
- HotelREIT: 16 stocks, $60bn
- HCareREIT: 17 stocks, $102bn
- ResidREIT: 27 stocks, $168bn
- DiversREIT: 36 stocks, $151bn
- RetailREIT: 52 stocks, $295bn
- SpecREIT: 33 stocks, $356bn

- REstOpCo: 38 stocks, $239bn
- REstDevl: 35 stocks, $297bn
- REstDvAct: 34 stocks, $292bn
- REstSrv: 12 stocks, $40bn
- IndusREIT: 22 stocks, $122bn

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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.
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”
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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<td>Buy</td>
<td>Outperform</td>
<td>43.2%</td>
<td>22.8%</td>
<td>57.4%</td>
<td>44.1%</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.
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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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