Group Selection

Priced as of December 15, 2017

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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December 15, 2017

**Sector View**

**Sector Relative Strength Profiles**

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<tbody>
<tr>
<td>Energy</td>
<td>44% / 46% / 42%</td>
<td>/ / /</td>
<td>-14% / -8% / 6%</td>
</tr>
<tr>
<td>Materials</td>
<td>55% / 52% / 52%</td>
<td>/ / /</td>
<td>-13% / -3% / 8%</td>
</tr>
<tr>
<td>Industrials</td>
<td>51% / 50% / 50%</td>
<td>/ / /</td>
<td>-16% / -3% / 11%</td>
</tr>
<tr>
<td>CMR Disc</td>
<td>48% / 46% / 45%</td>
<td>/ / /</td>
<td>-3% / 7% / 21%</td>
</tr>
<tr>
<td>CMR Stap</td>
<td>34% / 33% / 30%</td>
<td>/ / /</td>
<td>1% / 9% / 24%</td>
</tr>
<tr>
<td>Hlth Care</td>
<td>46% / 45% / 42%</td>
<td>/ / /</td>
<td>-7% / 1% / 13%</td>
</tr>
<tr>
<td>Financials</td>
<td>44% / 42% / 37%</td>
<td>/ / /</td>
<td>-10% / 1% / 17%</td>
</tr>
<tr>
<td>Info Tech</td>
<td>56% / 55% / 56%</td>
<td>/ / /</td>
<td>-13% / -4% / 8%</td>
</tr>
<tr>
<td>Telecom</td>
<td>33% / 33% / 32%</td>
<td>/ / /</td>
<td>-19% / -5% / 11%</td>
</tr>
<tr>
<td>Utilities</td>
<td>43% / 40% / 36%</td>
<td>/ / /</td>
<td>-30% / -15% / 2%</td>
</tr>
<tr>
<td>Real Estate</td>
<td>41% / 39% / 36%</td>
<td>/ / /</td>
<td>-13% / 4% / 22%</td>
</tr>
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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.
December 15, 2017

Consumer Staples

SprCntrs
14 stocks; $520bn

Brewers
14 stocks; $511bn

FdDistri
12 stocks; $359bn

DrugRetail
3 stocks; $172bn

Dist&Vnt
12 stocks; $359bn

SoftDrinks
17 stocks; $521bn

Tobacco
13 stocks; $692bn

PkgFdMt
120 stocks; $1276bn

AgriProd
24 stocks; $704bn

PersPrdct
32 stocks; $486bn

HhldPrdct
18 stocks; $589bn

FdRetail
36 stocks; $358bn
December 15, 2017

**Financials**

Mark Steele (416) 359-4641
Information Technology

December 15, 2017

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Momentum

Strength

HmEntSwr
ITConsult
SystmSwr
InetStSrv
ApplicSwr
DataProc
SemiEqp
ElecComp
Semi
ElecInstr
EMS
TechDist
ComEquip
HdwrSt&P

14 stocks; $211bn
50 stocks; $698bn
35 stocks; $1106bn
103 stocks; $2191bn
7 stocks; $656bn
46 stocks; $656bn
30 stocks; $295bn
37 stocks; $293bn
78 stocks; $1283bn

50 stocks; $750bn
35 stocks; $1061bn
44 stocks; $1502bn
103 stocks; $2191bn
67 stocks; $697bn
46 stocks; $656bn
46 stocks; $859bn
40 stocks; $296bn
43 stocks; $388bn
43 stocks; $251bn
16 stocks; $133bn
14 stocks; $46bn
**Real Estate**

December 15, 2017

Mark Steele (416) 359-4641

**Strength**

- SpecREIT
  - 33 stocks; $329bn
- HotelREIT
  - 32 stocks; $305bn
- RetailREIT
  - 34 stocks; $320bn
- ResidREIT
  - 26 stocks; $166bn
- OfficeREIT
  - 22 stocks; $158bn
- RestDvAct
  - 33 stocks; $329bn
- RestOpCo
  - 32 stocks; $205bn
- RestDevl
  - 34 stocks; $320bn
- DiversREIT
  - 18 stocks; $104bn
- HCareREIT
  - 18 stocks; $104bn
- IndusREIT
  - 20 stocks; $105bn
- RestSrv
  - 11 stocks; $37bn

**Momentum**

- HotelREIT
  - 18 stocks; $60bn
- RetailREIT
  - 50 stocks; $330bn
- OfficeREIT
  - 32 stocks; $158bn
- RestDvAct
  - 33 stocks; $329bn
- RestOpCo
  - 32 stocks; $205bn
- RestDevl
  - 34 stocks; $320bn
- DiversREIT
  - 18 stocks; $104bn
- HCareREIT
  - 18 stocks; $104bn
- IndusREIT
  - 20 stocks; $105bn
- RestSrv
  - 11 stocks; $37bn

**Value**

- SpecREIT
  - 37 stocks; $336bn
- HotelREIT
  - 18 stocks; $60bn
- RetailREIT
  - 50 stocks; $330bn
- OfficeREIT
  - 32 stocks; $158bn
- RestDvAct
  - 33 stocks; $329bn
- RestOpCo
  - 32 stocks; $205bn
- RestDevl
  - 34 stocks; $320bn
- DiversREIT
  - 18 stocks; $104bn
- HCareREIT
  - 18 stocks; $104bn
- IndusREIT
  - 20 stocks; $105bn
- RestSrv
  - 11 stocks; $37bn

**Growth**

- SpecREIT
  - 31 stocks; $336bn
- HotelREIT
  - 18 stocks; $60bn
- RetailREIT
  - 50 stocks; $330bn
- OfficeREIT
  - 32 stocks; $158bn
- RestDvAct
  - 33 stocks; $329bn
- RestOpCo
  - 32 stocks; $205bn
- RestDevl
  - 34 stocks; $320bn
- DiversREIT
  - 18 stocks; $104bn
- HCareREIT
  - 18 stocks; $104bn
- IndusREIT
  - 20 stocks; $105bn
- RestSrv
  - 11 stocks; $37bn
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 groups 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”
- 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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<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>
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* Reflects rating distribution of all companies covered by BMO Capital Markets Corp. equity research analysts.
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(S) = Speculative investment;
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