Group Selection
Priced as of January 31, 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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<tbody>
<tr>
<td>Energy</td>
<td>48% / 51% / 53%</td>
<td>/ / /</td>
<td>-11% / -13% / 1%</td>
</tr>
<tr>
<td>Materials</td>
<td>49% / 50% / 58%</td>
<td>/ / /</td>
<td>-4% / -4% / 10%</td>
</tr>
<tr>
<td>Industrials</td>
<td>49% / 51% / 58%</td>
<td>/ / /</td>
<td>-4% / -5% / 12%</td>
</tr>
<tr>
<td>CMR Disc</td>
<td>47% / 49% / 52%</td>
<td>/ / /</td>
<td>-3% / -2% / 13%</td>
</tr>
<tr>
<td>CMR Stap</td>
<td>34% / 35% / 40%</td>
<td>/ / /</td>
<td>0% / -2% / 13%</td>
</tr>
<tr>
<td>Hlth Care</td>
<td>42% / 44% / 48%</td>
<td>/ / /</td>
<td>4% / 3% / 14%</td>
</tr>
<tr>
<td>Financials</td>
<td>38% / 41% / 47%</td>
<td>/ / /</td>
<td>-1% / -2% / 21%</td>
</tr>
<tr>
<td>Info Tech</td>
<td>53% / 55% / 60%</td>
<td>/ / /</td>
<td>-7% / -7% / 7%</td>
</tr>
<tr>
<td>Telecom</td>
<td>21% / 25% / 29%</td>
<td>/ / /</td>
<td>5% / 4% / 29%</td>
</tr>
<tr>
<td>Utilities</td>
<td>21% / 19% / 26%</td>
<td>/ / /</td>
<td>-9% / -8% / 14%</td>
</tr>
<tr>
<td>Real Estate</td>
<td>33% / 31% / 36%</td>
<td>/ / /</td>
<td>-10% / -10% / 10%</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.
Coal&Uran  
24 stocks; $97bn

OG Drill  
14 stocks; $34bn
Int O&G  
29 stocks; $167bn

OG E&P  
116 stocks; $887bn
OG RfMkt  
44 stocks; $547bn
OG Equip  
60 stocks; $311bn
OG StTr  
89 stocks; $691bn

OG E&P  
116 stocks; $887bn
OG RfMkt  
44 stocks; $547bn
OG Equip  
60 stocks; $311bn
OG StTr  
89 stocks; $691bn
January 31, 2018

Health Care

Momentum

Strength

HCEquip
77 stocks; $951bn

HCServie
27 stocks; $221bn

HCsupps
27 stocks; $170bn

Biotech
124 stocks; $1127bn

HCFacility
37 stocks; $190bn

HCDistrib
18 stocks; $730bn

MngHCare
12 stocks; $488bn

LfsSciSrv
29 stocks; $307bn

HCareTec
19 stocks; $72bn

Pharma
109 stocks; $2630bn

77 stocks; $951bn

27 stocks; $221bn

27 stocks; $170bn

37 stocks; $190bn

18 stocks; $730bn

12 stocks; $488bn

29 stocks; $307bn

19 stocks; $72bn

109 stocks; $2630bn

BMO Capital Markets
Mark Steele (416) 359-4641
Telecommunication Services

Momentum

Strength

January 31, 2018

Mark Steele (416) 359-4641

Telecommunication Services

WlsTelSrv 42 stocks; $965bn

IntgTelSrv 59 stocks; $1334bn

AltCar 17 stocks; $59bn
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>
<td>57.0%</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>
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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;
Spd = Suspended - Coverage and rating suspended until coverage is reinstated;
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(January 2010 - April 2013)

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