Group Selection
Priced as of October 9, 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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Sector Relative Strength Profiles*

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
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<tr>
<td>Energy</td>
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<td>/</td>
<td>1% / 3% / 2%</td>
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<td>-1% / -1% / -2%</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 (\(\uparrow\) / \(\downarrow\) 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.
**Materials**

**October 9, 2017**

Mark Steele (416) 359-4641

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<th>Category</th>
<th>Strength</th>
<th>Momentum</th>
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<tr>
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<td>$360bn</td>
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<tr>
<td>Fert&amp;Ag</td>
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<td>$198bn</td>
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</table>
Industrials

- ElcCmpEq: 37 stocks; $360bn
- RsrcCslt: 27 stocks; $221bn
- AirFrght: 20 stocks; $277bn
- HvyElcEq: 16 stocks; $88bn
- Industrials: 27 stocks; $360bn
- RsrCslt: 27 stocks; $221bn
- AirFrght: 20 stocks; $277bn
- HvyElcEq: 16 stocks; $88bn
- Trucking: 28 stocks; $100bn
- Aero&Def: 55 stocks; $921bn
- CnstMch&T: 46 stocks; $342bn
- HREmpl: 23 stocks; $119bn
- DvSpSrv: 23 stocks; $100bn
- Ind Mach: 23 stocks; $748bn
- Hwy&Rail: 16 stocks; $110bn
- RV: 12 stocks; $98bn
- BldPrdcts: 46 stocks; $284bn
- AirprtSrv: 18 stocks; $142bn
- EnviroServ: 24 stocks; $128bn
- MarineSrv: 15 stocks; $70bn
- Cns&Eng: 70 stocks; $341bn
- Cns&Eng: 70 stocks; $341bn
- OfficeServ: 10 stocks; $20bn
- Marine: 15 stocks; $621bn
- Railroads: 25 stocks; $498bn
- Industrials: 27 stocks; $360bn
- RsrCslt: 27 stocks; $221bn
- AirFrght: 20 stocks; $277bn
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- OfficeServ: 10 stocks; $20bn
- Marine: 15 stocks; $621bn
- Railroads: 25 stocks; $498bn
October 9, 2017

Telecommunication Services

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Momentum

Strength

AltCar
10 stocks; $58bn

IntgTelSrv
61 stocks; $133bn

WisTelSrv
42 stocks; $914bn
**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).
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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* 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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***** Reflects rating distribution of all companies from which BMO Capital Markets has received compensation for Investment Banking services as percentage of Investment Banking clients.
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Mkt = Market Perform - Forecast to perform roughly in line with the analyst’s coverage universe on a total return basis;
Und = Underperform - Forecast to underperform the analyst’s coverage universe on a total return basis;
(S) = Speculative investment;
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NR = No Rated - No rating at this time; and
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