Relative Strength Filter
Global Summary

Group Selection
Priced as of October 17, 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 View**

**Sector Relative Strength Profiles**

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<tbody>
<tr>
<td>Energy</td>
<td>26% / 22% / 24%</td>
<td>/ / /</td>
<td>9% / 11% / 12%</td>
</tr>
<tr>
<td>Materials</td>
<td>57% / 51% / 51%</td>
<td>/ / /</td>
<td>0% / 1% / 1%</td>
</tr>
<tr>
<td>Industrials</td>
<td>54% / 48% / 47%</td>
<td>/ / /</td>
<td>3% / 4% / 4%</td>
</tr>
<tr>
<td>CMR Disc</td>
<td>48% / 45% / 43%</td>
<td>/ / /</td>
<td>1% / 1% / 2%</td>
</tr>
<tr>
<td>CMR Stap</td>
<td>44% / 40% / 35%</td>
<td>/ / /</td>
<td>-4% / -4% / -3%</td>
</tr>
<tr>
<td>Hll Care</td>
<td>53% / 50% / 52%</td>
<td>/ / /</td>
<td>-6% / -4% / -5%</td>
</tr>
<tr>
<td>Financials</td>
<td>52% / 46% / 44%</td>
<td>/ / /</td>
<td>-3% / -1% / -1%</td>
</tr>
<tr>
<td>Info Tech</td>
<td>62% / 57% / 58%</td>
<td>/ / /</td>
<td>1% / 3% / 3%</td>
</tr>
<tr>
<td>Telecom</td>
<td>50% / 45% / 43%</td>
<td>/ / /</td>
<td>-12% / -7% / -6%</td>
</tr>
<tr>
<td>Utilities</td>
<td>54% / 48% / 47%</td>
<td>/ / /</td>
<td>-3% / -1% / -1%</td>
</tr>
<tr>
<td>Real Estate</td>
<td>45% / 39% / 39%</td>
<td>/ / /</td>
<td>-1% / 3% / 1%</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
October 17, 2017

Energy

Momentum

Strength

Int O&G
29 stocks; $169bn

Coal&Uran
24 stocks; $85bn

OG RfMkt
43 stocks; $667bn

OG Drill
14 stocks; $28bn

OG StTr
59 stocks; $667bn

OG E&P
117 stocks; $776bn

OG Equip
59 stocks; $278bn

OG RfMkt
43 stocks; $667bn
Momentum

October 17, 2017

Telecommunication Services

Mark Steele (416) 359-4641

Telecommunication Services

WlsTelSrv → 42 stocks; $943bn

IntgTelSrv ↑ 60 stocks; $1316bn

AltCar ↓ 11 stocks; $68bn
Momentum

Strength

Utilities

October 17, 2017

Mark Steele (416) 359-4641

Utilities

ElecUtil
90 stocks; $1183bn

WaterUtil
24 stocks; $88bn

GasUtil
33 stocks; $209bn

MultiUtil
35 stocks; $482bn

RenewElec
23 stocks; $56bn

IPPTrad
24 stocks; $104bn
October 17, 2017

Real Estate

Mark Steele (416) 359-4641

Momentum

Strength

REstDvAct
32 stocks; $352bn

REstOpCo
32 stocks; $206bn

SpecREIT
31 stocks; $330bn

HotelREIT
16 stocks; $59bn

REstSrv
11 stocks; $36bn

RetailREIT
50 stocks; $317bn

DiversREIT
42 stocks; $208bn

IndusREIT
20 stocks; $103bn

HCareREIT
18 stocks; $104bn

ResidREIT
27 stocks; $166bn

OfficeREIT
32 stocks; $154bn

REstDevl
34 stocks; $333bn
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”
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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<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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(S) = Speculative investment;
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