Group Selection
Priced as of August 10, 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**

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</thead>
<tbody>
<tr>
<td>Energy</td>
<td>19% / 14% / 29%</td>
<td>4% / 3% / -6%</td>
<td></td>
</tr>
<tr>
<td>Materials</td>
<td>47% / 42% / 55%</td>
<td>6% / 4% / 3%</td>
<td></td>
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<tr>
<td>Industrials</td>
<td>56% / 49% / 68%</td>
<td>-4% / -5% / -9%</td>
<td></td>
</tr>
<tr>
<td>CMR Disc</td>
<td>53% / 48% / 63%</td>
<td>-1% / -3% / -5%</td>
<td></td>
</tr>
<tr>
<td>CMR Stap</td>
<td>51% / 44% / 61%</td>
<td>4% / 2% / -3%</td>
<td></td>
</tr>
<tr>
<td>Health Care</td>
<td>57% / 54% / 66%</td>
<td>-16% / -17% / -20%</td>
<td></td>
</tr>
<tr>
<td>Financials</td>
<td>48% / 42% / 64%</td>
<td>6% / 3% / -4%</td>
<td></td>
</tr>
<tr>
<td>Info Tech</td>
<td>64% / 59% / 73%</td>
<td>-12% / -12% / -15%</td>
<td></td>
</tr>
<tr>
<td>Telecom</td>
<td>53% / 48% / 64%</td>
<td>8% / 9% / 2%</td>
<td></td>
</tr>
<tr>
<td>Utilities</td>
<td>62% / 50% / 74%</td>
<td>12% / 10% / -1%</td>
<td></td>
</tr>
<tr>
<td>Real Estate</td>
<td>50% / 40% / 64%</td>
<td>8% / 6% / -4%</td>
<td></td>
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</table>

*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.
August 10, 2017

**Momentum**

**Strength**

**Energy**

**Int O&G**
29 stocks; $1566bn

**Coal&Uran**
22 stocks; $76bn

**OG Drill**
16 stocks; $24bn

**OG Equip**
59 stocks; $263bn

**OG E&P**
116 stocks; $707bn

**OG RfMkt**
44 stocks; $44bn

**OG StTr**
89 stocks; $652bn
Information Technology

Momentum

HmEntSwr
14 stocks; $188bn

ElecComp ➔
38 stocks; $281bn

TechDist ➔
14 stocks; $448bn

InetSftSrv ➔
91 stocks; $1897bn

ITConsult ➔
50 stocks; $630bn

ComEquip ➔
43 stocks; $347bn

EMS ➔
16 stocks; $135bn

Semi ➔
78 stocks; $1085bn

SystmSwr ➔
34 stocks; $910bn

ApplicSwr ➔
66 stocks; $504bn

DataProc ➔
47 stocks; $745bn

HdwrSt&P ➔
44 stocks; $1364bn

Strength

August 10, 2017

Mark Steele (416) 359-4641

Information Technology

43 stocks; $347bn

16 stocks; $135bn

78 stocks; $1085bn

44 stocks; $1364bn

47 stocks; $745bn

44 stocks; $1364bn

43 stocks; $347bn

16 stocks; $135bn

78 stocks; $1085bn

44 stocks; $1364bn

47 stocks; $745bn

44 stocks; $1364bn

47 stocks; $745bn
<table>
<thead>
<tr>
<th>Momentum</th>
<th>Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>AltCar</td>
<td>10 stocks; $58bn</td>
</tr>
<tr>
<td>IntgTelSrv</td>
<td>62 stocks; $1375bn</td>
</tr>
<tr>
<td>WlsTelSrv</td>
<td>42 stocks; $945bn</td>
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</tbody>
</table>
Momentum

Strength

August 10, 2017

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Real Estate

REstSrv
11 stocks; $33bn

REstDvAct
34 stocks; $344bn

RetailREIT
50 stocks; $313bn

DiversREIT
40 stocks; $166bn

OfficeREIT
32 stocks; $141bn

IndusREIT
20 stocks; $271bn

REstDev
30 stocks; $256bn

OfficeREIT
32 stocks; $141bn

HotelREIT
19 stocks; $55bn

REstOpCo
30 stocks; $193bn

HCareREIT
19 stocks; $105bn

ResidREIT
26 stocks; $163bn

SpecREIT
31 stocks; $315bn

Omm
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 members are 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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<th>Rating Category</th>
<th>BMOCM US Universe*</th>
<th>BMOCM US IB Clients**</th>
<th>BMOCM US IB Clients***</th>
<th>BMOCM Universe****</th>
<th>BMOCM IB Clients*****</th>
<th>StarMine Universe</th>
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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>
</tr>
<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>
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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>
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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;
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(January 2010 - April 2013)

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