Group Selection
Priced as of September 17, 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**

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<tbody>
<tr>
<td>Energy</td>
<td>46% / 58% / 56%</td>
<td>/</td>
<td>-7% / -7% / -2%</td>
</tr>
<tr>
<td>Materials</td>
<td>22% / 31% / 28%</td>
<td>/</td>
<td>-3% / 1% / 3%</td>
</tr>
<tr>
<td>Industrials</td>
<td>32% / 44% / 40%</td>
<td>/</td>
<td>4% / 6% / 14%</td>
</tr>
<tr>
<td>CMR Disc</td>
<td>37% / 43% / 40%</td>
<td>/</td>
<td>-7% / -3% / 2%</td>
</tr>
<tr>
<td>CMR Stap</td>
<td>31% / 40% / 38%</td>
<td>/</td>
<td>-4% / 0% / 5%</td>
</tr>
<tr>
<td>Hlth Care</td>
<td>53% / 62% / 60%</td>
<td>/</td>
<td>-8% / -5% / -1%</td>
</tr>
<tr>
<td>Financials</td>
<td>27% / 43% / 38%</td>
<td>/</td>
<td>-8% / -5% / 5%</td>
</tr>
<tr>
<td>Info Tech</td>
<td>49% / 57% / 55%</td>
<td>/</td>
<td>-11% / -8% / -4%</td>
</tr>
<tr>
<td>Telecom</td>
<td>17% / 27% / 24%</td>
<td>/</td>
<td>13% / 13% / 22%</td>
</tr>
<tr>
<td>Utilities</td>
<td>30% / 47% / 42%</td>
<td>/</td>
<td>-1% / 4% / 7%</td>
</tr>
<tr>
<td>Real Estate</td>
<td>44% / 60% / 54%</td>
<td>/</td>
<td>-3% / -1% / 8%</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
September 17, 2018

Mark Steele (416) 359-4641

Energy

Momentum

Strength

Int O&G 17 stocks; $169bn
OG Drill 14 stocks; $33bn
OG E&P 112 stocks; $892bn
OG StTr 33 stocks; $664bn
OG RfMkt 43 stocks; $556bn
OG Equip 60 stocks; $276bn
Coal&Uran 24 stocks; $79bn
Health Care

Momentum

Strength

LfSciSrv 31 stocks; $386bn
MngHCare 12 stocks; $548bn
HCSuppl 29 stocks; $193bn
HCFacility 29 stocks; $144bn
HCDistrib 19 stocks; $118bn
HCEquip 79 stocks; $1,132bn
HCareTec 19 stocks; $85bn
Pharma 111 stocks; $2,670bn
HCService 29 stocks; $298bn
Biotech 130 stocks; $1,087bn

September 17, 2018
September 17, 2018

Telecommunication Services

Momentum

Strength

WlsTelSrv
44 stocks: $904bn

IntgTelSrv
57 stocks: $1261bn

AltCar
11 stocks: $61bn
Utilities

September 17, 2018

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Momentum

Strength

IPPTrad ➔ 23 stocks; $115bn

GasUtil ➔ 36 stocks; $243bn

ElecUtil ➔ 88 stocks; $1158bn

RenewElec ➔ 20 stocks; $53bn

WaterUtil ➔ 22 stocks; $79bn

MultiUtil ➔ 35 stocks; $444bn
Real Estate

Momentum

Strength

REstOpCo
38 stocks; $242bn

RetailREIT
30 stocks; $292bn

ResidREIT
27 stocks; $170bn

DiversREIT
36 stocks; $151bn

IndusREIT
22 stocks; $122bn

HCareREIT
17 stocks; $107bn

SpecREIT
33 stocks; $354bn

HotelREIT
18 stocks; $66bn

OfficeREIT
34 stocks; $168bn

REstSrv
12 stocks; $39bn

REstDvAct
34 stocks; $293bn

REstDevl
35 stocks; $300bn

RetailREIT
30 stocks; $292bn

ResidREIT
27 stocks; $170bn

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22 stocks; $122bn

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34 stocks; $293bn

REstDevl
35 stocks; $300bn

Momentum

Strength
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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<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>51.6%</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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