Group Selection
Priced as of October 4, 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 Relative Strength Profiles**

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<tbody>
<tr>
<td>Energy</td>
<td>40% / 53% / 53%</td>
<td>/ / /</td>
<td>8% / 10% / 11%</td>
</tr>
<tr>
<td>Materials</td>
<td>18% / 30% / 28%</td>
<td>/ / /</td>
<td>3% / 6% / 6%</td>
</tr>
<tr>
<td>Industrials</td>
<td>30% / 43% / 41%</td>
<td>/ / /</td>
<td>-5% / -2% / -1%</td>
</tr>
<tr>
<td>CMR Disc</td>
<td>33% / 40% / 39%</td>
<td>/ / /</td>
<td>-17% / -18% / -15%</td>
</tr>
<tr>
<td>CMR Stap</td>
<td>29% / 40% / 35%</td>
<td>/ / /</td>
<td>-10% / -7% / -5%</td>
</tr>
<tr>
<td>Hlth Care</td>
<td>53% / 63% / 62%</td>
<td>/ / /</td>
<td>-15% / -15% / -13%</td>
</tr>
<tr>
<td>Financials</td>
<td>22% / 41% / 37%</td>
<td>/ / /</td>
<td>-5% / -1% / -1%</td>
</tr>
<tr>
<td>Info Tech</td>
<td>46% / 55% / 53%</td>
<td>/ / /</td>
<td>-19% / -14% / -13%</td>
</tr>
<tr>
<td>Comm S</td>
<td>32% / 40% / 38%</td>
<td>/ / /</td>
<td>-1% / 1% / 3%</td>
</tr>
<tr>
<td>Utilities</td>
<td>26% / 46% / 41%</td>
<td>/ / /</td>
<td>-3% / 0% / -1%</td>
</tr>
<tr>
<td>Real Estate</td>
<td>37% / 54% / 52%</td>
<td>/ / /</td>
<td>-31% / -28% / -22%</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 4, 2018

Mark Steele (416) 359-4641

[Diagram showing strength changes for various sectors]
Resources

October 4, 2018

Coal&Uran
22 stocks; $80bn

OG StTr
83 stocks; $663bn

OG RfMkt
47 stocks; $552bn

ComdChm
13 stocks; $417bn

OG Equip
60 stocks; $289bn

PrecMet
17 stocks; $41bn

Alumin
10 stocks; $43bn

Gold
72 stocks; $164bn

DvrsMng
62 stocks; $401bn

Silver
11 stocks; $17bn

OG E&P
171 stocks; $954bn

MtGlsCnt
15 stocks; $66bn

Steel
80 stocks; $436bn

PaperPkg
17 stocks; $116bn

OG Drill
14 stocks; $37bn

IndusGas
8 stocks; $156bn

OG RfMkt
47 stocks; $552bn

SpecChm
67 stocks; $559bn

Int O&G
41 stocks; $600bn

Fert&Ag
29 stocks; $160bn

MtGlsCnt
15 stocks; $66bn

PapProd
25 stocks; $121bn

Copper
18 stocks; $96bn

CstrMat
28 stocks; $228bn

FrstPrd
11 stocks; $27bn

DiversChm
22 stocks; $379bn

BMO Capital Markets
Mark Steele (416) 359-4641
October 4, 2018

Information Technology

Momentum

Strength

DataProc
47 stocks; $1091bn

InetSrv&In
12 stocks; $81bn

SysmSwr
16 stocks; $1283bn

EMS
18 stocks; $125bn

SemiEqp
44 stocks; $259bn

ApplicSwr
94 stocks; $942bn

Semi
76 stocks; $1381bn

ComEquip
40 stocks; $425bn

HdwrSt&P
42 stocks; $1661bn

ITConsult
30 stocks; $761bn

ElecInstr
44 stocks; $260bn

ElecComp
36 stocks; $272bn

TechDist
13 stocks; $46bn

HdwrSt&P
42 stocks; $1661bn

50 stocks; $761bn
Momentum

Strength

Utilities

October 4, 2018

Mark Steele (416) 359-4641

Utilities

MultiUtil
35 stocks; $436bn

WaterUtil
22 stocks; $86bn

ElecUtil
IPP Trad
88 stocks; $1137bn
23 stocks; $116bn

GasUtil

RenewElec
36 stocks; $236bn
20 stocks; $52bn

35 stocks; $436bn
22 stocks; $86bn
88 stocks; $1137bn
23 stocks; $116bn
36 stocks; $236bn
20 stocks; $52bn
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 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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<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;
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