Group Selection

Priced as of July 26, 2019

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>17% / 20% / 20%</td>
<td>/ / -14%</td>
<td>-8% / -4%</td>
</tr>
<tr>
<td>Materials</td>
<td>30% / 33% / 34%</td>
<td>/ / -1%</td>
<td>1% / 7%</td>
</tr>
<tr>
<td>Industrials</td>
<td>36% / 40% / 40%</td>
<td>/ / -3%</td>
<td>1% / 7%</td>
</tr>
<tr>
<td>CMR Disc</td>
<td>33% / 36% / 37%</td>
<td>/ / 1%</td>
<td>3% / 8%</td>
</tr>
<tr>
<td>CMR Stap</td>
<td>37% / 40% / 40%</td>
<td>/ / -7%</td>
<td>-3% / 3%</td>
</tr>
<tr>
<td>Hlth Care</td>
<td>36% / 38% / 38%</td>
<td>/ / -8%</td>
<td>-3% / 0%</td>
</tr>
<tr>
<td>Financials</td>
<td>33% / 38% / 38%</td>
<td>/ / 0%</td>
<td>4% / 10%</td>
</tr>
<tr>
<td>Info Tech</td>
<td>50% / 53% / 52%</td>
<td>/ / 6%</td>
<td>10% / 13%</td>
</tr>
<tr>
<td>Comm Srv</td>
<td>35% / 40% / 39%</td>
<td>/ / -5%</td>
<td>-2% / 1%</td>
</tr>
<tr>
<td>Utilities</td>
<td>44% / 49% / 52%</td>
<td>/ / -9%</td>
<td>-6% / 2%</td>
</tr>
<tr>
<td>Real Estate</td>
<td>40% / 49% / 47%</td>
<td>/ / -12%</td>
<td>-7% / 0%</td>
</tr>
</tbody>
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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
Momentum
Strength

Momentum

IndusGas
7 stocks; $23bn

Silver
9 stocks; $22bn

Gold
60 stocks; $253bn

CstrMat
41 stocks; $550bn

PrecMet
14 stocks; $47bn

Fert&Ag
29 stocks; $144bn

Copper
14 stocks; $85bn

MtGisCnt
4 stocks; $75bn

PaperPkg
15 stocks; $93bn

Alumin
10 stocks; $32bn

SpecChm
72 stocks; $642bn

PapProd
23 stocks; $62bn

DvrsMng
49 stocks; $376bn

DiversChm
20 stocks; $174bn

ComdChm
47 stocks; $367bn

FrstPrd
49 stocks; $376bn

Steel
61 stocks; $395bn

PapProd
23 stocks; $62bn

DvrsMng
49 stocks; $376bn

DiversChm
20 stocks; $174bn

ComdChm
47 stocks; $367bn

FrstPrd
49 stocks; $376bn

Steel
61 stocks; $395bn
Momentum

Strength

July 26, 2019

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Industrials

HREmpl
22 stocks; $143bn

Trucking
27 stocks; $117bn

Ag&Farm
10 stocks; $103bn

TrdgDist
59 stocks; $332bn

DvSpSrv
32 stocks; $120bn

Marine
14 stocks; $50bn

ElcCmpEq
24 stocks; $396bn

CnstMch&
10 stocks; $376bn

AirFrght
27 stocks; $304bn

OffceServ
10 stocks; $22bn

Aero&Def
51 stocks; $1079bn

RsrcCslt
28 stocks; $329bn

Airline
35 stocks; $262bn

CmcIPrt
9 stocks; $22bn

Cns&Eng
73 stocks; $381bn

Hwy&Rail
14 stocks; $95bn

Sec&Alm
8 stocks; $48bn

BldPrdcts
51 stocks; $287bn

IndCongl
39 stocks; $955bn

Railroads
27 stocks; $593bn

EnviroServ
26 stocks; $178bn

AirprtSrv
21 stocks; $177bn

HvyElecEq
17 stocks; $99bn

MarineSrv
16 stocks; $84bn
Health Care

- **Momentum**
  - HCFacility: 34 stocks, $187bn
  - HCEquip: 7 stocks, $127bn
  - LfSciSrv: 32 stocks, $417bn
  - HCareTec: 17 stocks, $94bn

- **Strength**
  - HCSuppls: 26 stocks, $159bn
  - Biotech: 127 stocks, $347bn
  - MngHCare: 10 stocks, $416bn
  - HCServce: 24 stocks, $277bn
  - HCDistrib: 16 stocks, $106bn

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July 26, 2019
Utilities

Momentum

Strength

RenewElec
25 stocks; $145bn

ElecUtil
55 stocks; $1262bn

MultiUtil
35 stocks; $517bn

GasUtil
37 stocks; $282bn

WaterUtil
24 stocks; $102bn

IPPTrad
25 stocks; $133bn

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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.
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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<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>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.
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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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