Group Selection

Priced as of January 22, 2020

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>21% / 23% / 28%</td>
<td>/ / /</td>
<td>-11% / -11% / -8%</td>
</tr>
<tr>
<td>Materials</td>
<td>35% / 36% / 42%</td>
<td>/ / /</td>
<td>-1% / 0% / -1%</td>
</tr>
<tr>
<td>Industrials</td>
<td>46% / 47% / 54%</td>
<td>/ / /</td>
<td>-8% / -7% / -3%</td>
</tr>
<tr>
<td>CMR Disc</td>
<td>46% / 48% / 51%</td>
<td>/ / /</td>
<td>-7% / -6% / -4%</td>
</tr>
<tr>
<td>CMR Stap</td>
<td>31% / 35% / 40%</td>
<td>/ / /</td>
<td>-5% / -4% / -3%</td>
</tr>
<tr>
<td>Hlth Care</td>
<td>40% / 42% / 47%</td>
<td>/ / /</td>
<td>11% / 11% / 13%</td>
</tr>
<tr>
<td>Financials</td>
<td>38% / 41% / 50%</td>
<td>/ / /</td>
<td>-13% / -9% / -6%</td>
</tr>
<tr>
<td>Info Tech</td>
<td>55% / 56% / 60%</td>
<td>/ / /</td>
<td>8% / 9% / 10%</td>
</tr>
<tr>
<td>Comm Srv</td>
<td>28% / 33% / 39%</td>
<td>/ / /</td>
<td>0% / 0% / 2%</td>
</tr>
<tr>
<td>Utilities</td>
<td>35% / 38% / 44%</td>
<td>/ / /</td>
<td>-1% / -1% / 4%</td>
</tr>
<tr>
<td>Real Estate</td>
<td>47% / 52% / 59%</td>
<td>/ / /</td>
<td>-5% / -5% / 0%</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

CmrElec → AltCar → MultiUtil → PapProd → HhldPrdct → AutoParts → Rstaunr

SpecStors → ConsmrFin → MltSecHld → MtGlsCnt → SoftDrnks → DiversChm

HCareREIT → ElcCmpEq → InvBnkBrk → PersPrdct → DvrsMng → WlsTelSr

DvSpSr → FnIExchDt → MortgREIT

ElcComp → HREmpl → HhldApl → Copper → HhldPrdct → LeisPrd

ITConsult → FrstPrd → TrdgDist → AutoMfg → SpecChm → LeisFcil

SpecialFin → Ind Mach → Gold → Trkg → HmlmpRtl → Fert&Ag

ElecInstr → HREmpl → HhldApl → Copper

Momentum

January 22, 2020
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BMO Capital Markets
January 22, 2020

Materials

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- PapProd: 12 stocks; $102bn
- MtGlSnt: 15 stocks; $74bn
- DvrsMng: 46 stocks; $410bn
- DiversChm: 20 stocks; $175bn
- IndusGas: 7 stocks; $249bn
- ComdChm: 50 stocks; $400bn
- Steel: 60 stocks; $394bn
- PrecMet: 12 stocks; $62bn
- FrstPrd: 10 stocks; $23bn
- Silver: 7 stocks; $25bn
- CstrMat: 33 stocks; $263bn
- Gold: 71 stocks; $301bn
- SpecChm: 70 stocks; $677bn
- Alumin: 10 stocks; $30bn
- Copper: 14 stocks; $96bn
- Fert&Ag: 34 stocks; $161bn

Momentum

Strength
Consumer Staples

Momentum

Strength

January 22, 2020

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HhldPrdct 🡲 19 stocks; $687bn

FdDistri 🡲 11 stocks; $69bn

SoftDrns 🡲 19 stocks; $629bn

PersPrdct 🡲 19 stocks; $527bn

Brewers 🡲 14 stocks; $430bn

SprCntrs 🡲 16 stocks; $611bn

PkgFdMt 🡲 124 stocks; $1533bn

FdRetail 🡲 33 stocks; $368bn

DrugRetail 🡲 7 stocks; $73bn

AgriProd 🡲 27 stocks; $125bn

Dist&Vnt 🡲 20 stocks; $601bn

Tobacco 🡲 13 stocks; $496bn

Consumer Staples

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January 22, 2020

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January 22, 2020

Utilities

Momentum

Strength

- MultiUtil: 24 stocks; $578bn
- WaterUtil: 24 stocks; $113bn
- RenewElec: 23 stocks; $147bn

Utilities

- ElecUtil: 43 stocks; $1392bn
- GasUtil: 36 stocks; $284bn
- IPPTrad: 25 stocks; $130bn

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BMO Capital Markets
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 groups 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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<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>
</tr>
<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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(S) = Speculative investment;
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