

ADVANCED TECHNICAL SCREENING WITH THE NEW FIDELITY STOCK AND ETF SCREENERS

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Agenda

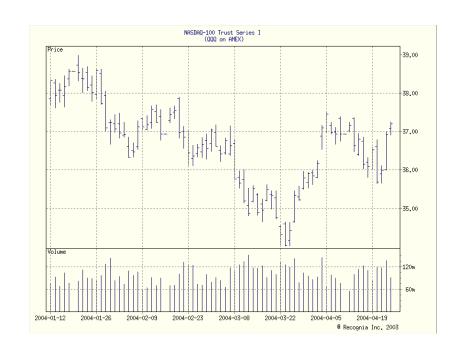


- An Event Driven Approach to Technical Analysis
- Major Classes of Technical Events
 - Short-term Patterns
 - Indicators and Oscillators
 - Classic Chart Patterns
- Using the New Fidelity Stock and ETF Screeners
 - Technical Screening for Stocks
 - Technical Screening for ETFs
 - Using Preset Expert Screens
- Q & A

What is Technical Analysis?



- Looking for patterns and relationships in price and volume history that identify attitudes of buyers and sellers
- Shifts in the balance of supply and demand
- To assist in making investment and trading decisions



An Example...





Prices move in trends until ...

Something changes to affect supply and demand





Prices move in trends until ...

Something changes to affect supply and demand

Marked by patterns in price and volume history



Types of Technical Events

Technical Event Classes



Short-term Patterns

- Based on the shape and relationship of candlesticks or price bars
- Indicators & Oscillators
- Classic Patterns



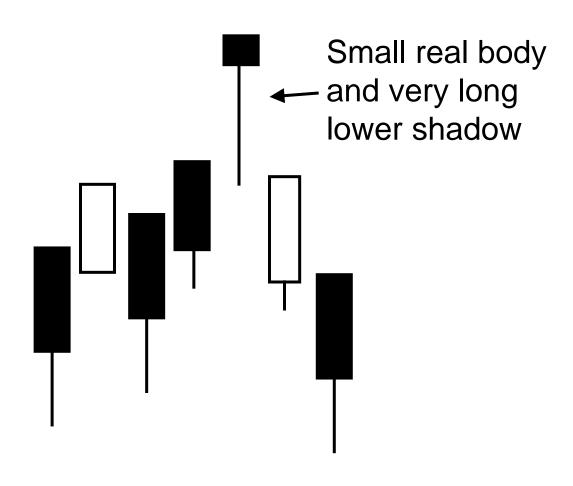




Hanging Man

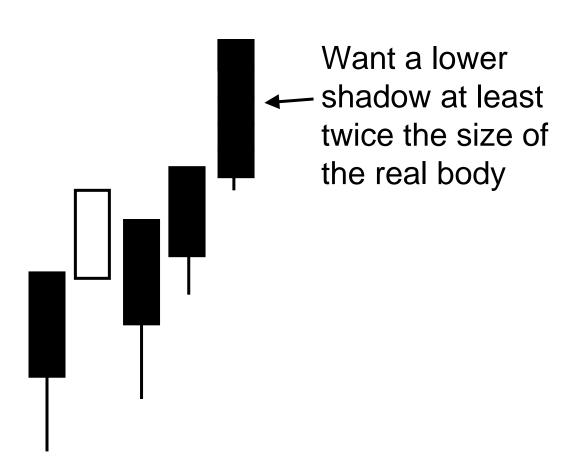
recognia TRADING CENTRAL COMPANY MARKETS NEVER SLEEP®

A bearish reversal pattern



Hanging Man





Hanging Man



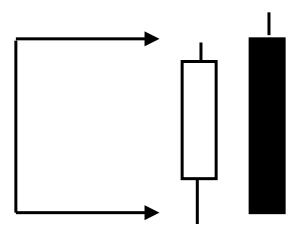
Two hanging men; which is the more significant?



Bearish Engulfing Pattern



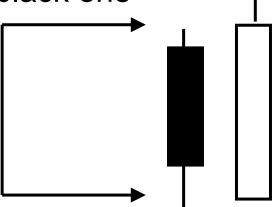
Black candle's real body completely "engulfs" the white one



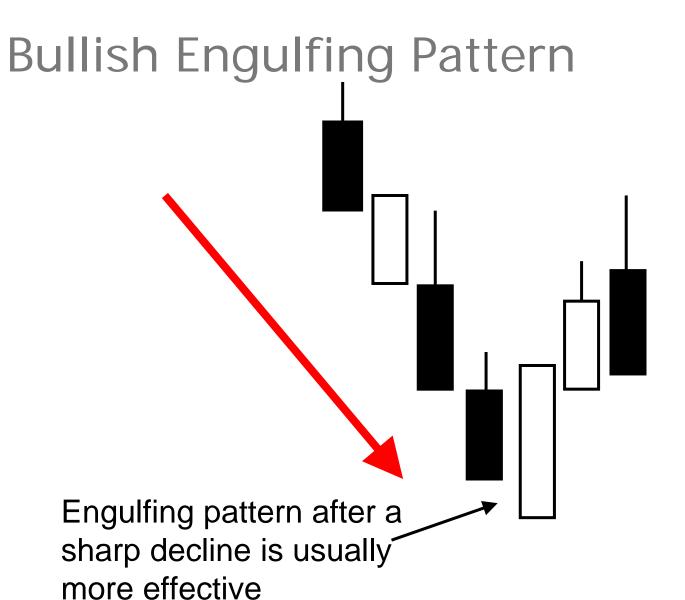
Bullish Engulfing Pattern



White candle's real body completely "engulfs" the black one



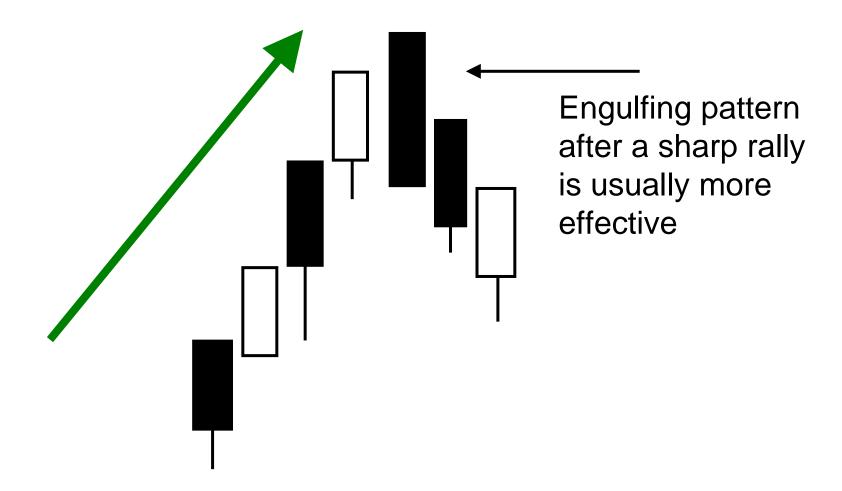
Bullish Engulfing Pattern





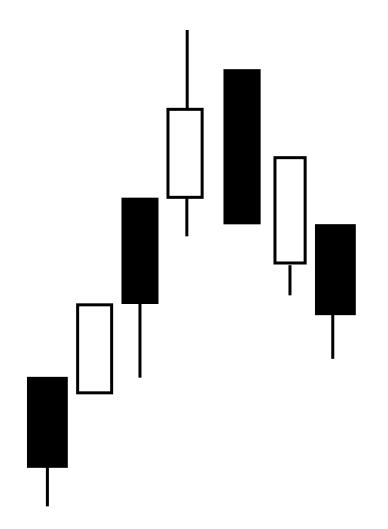
Bearish Engulfing Pattern

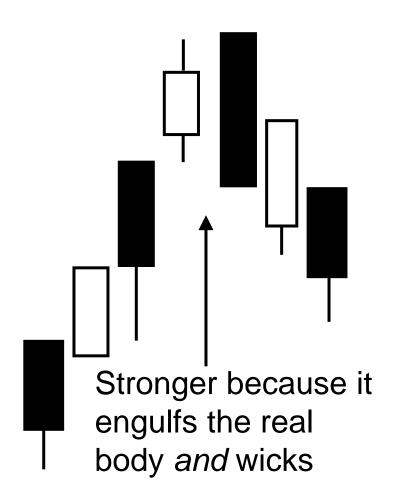




Engulfing Patterns



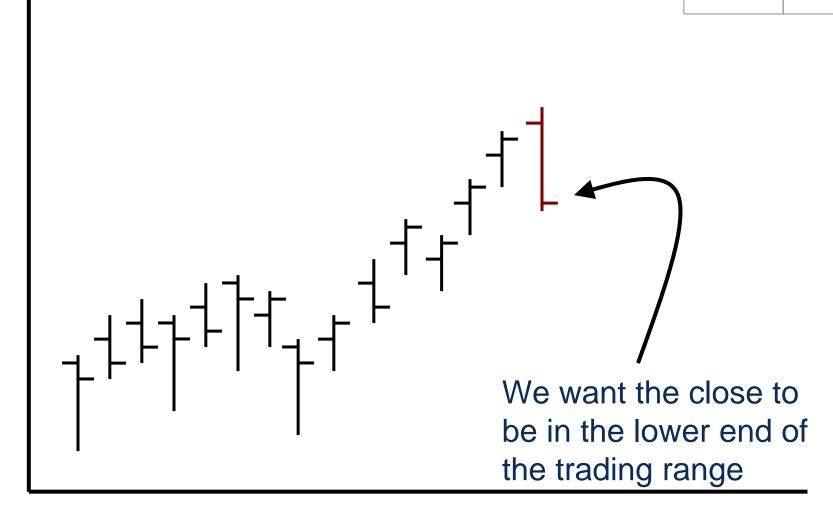




Outside Bars







Inside Bars

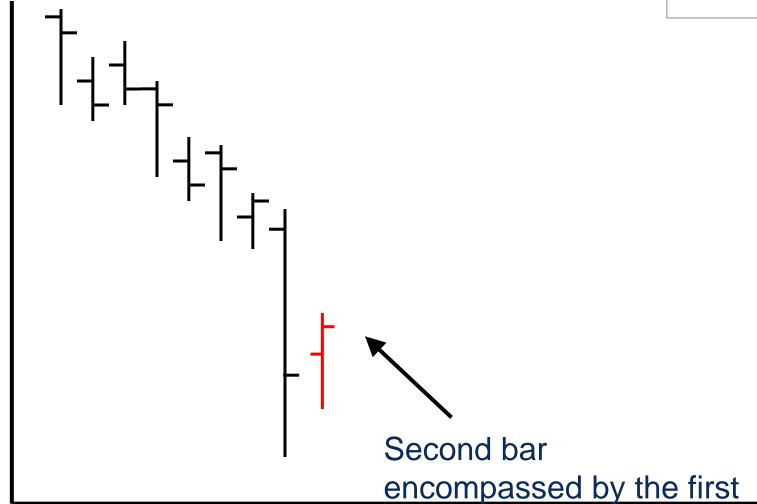






Inside Bars

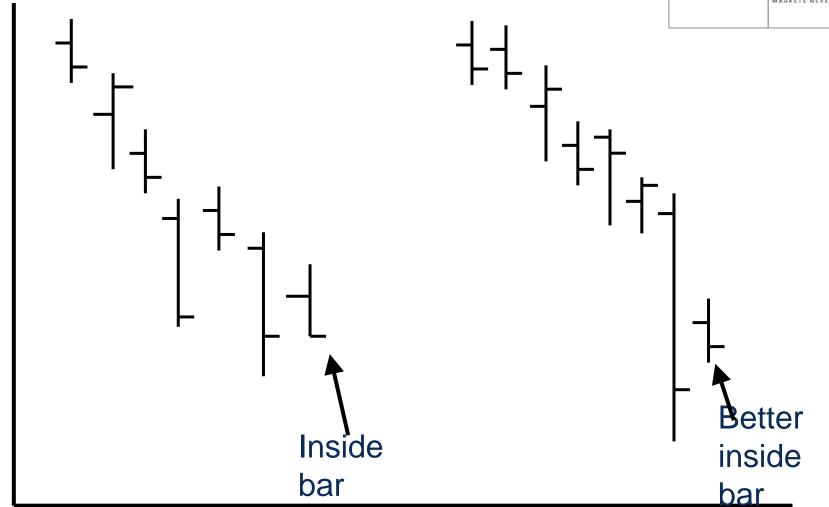




Inside Bars

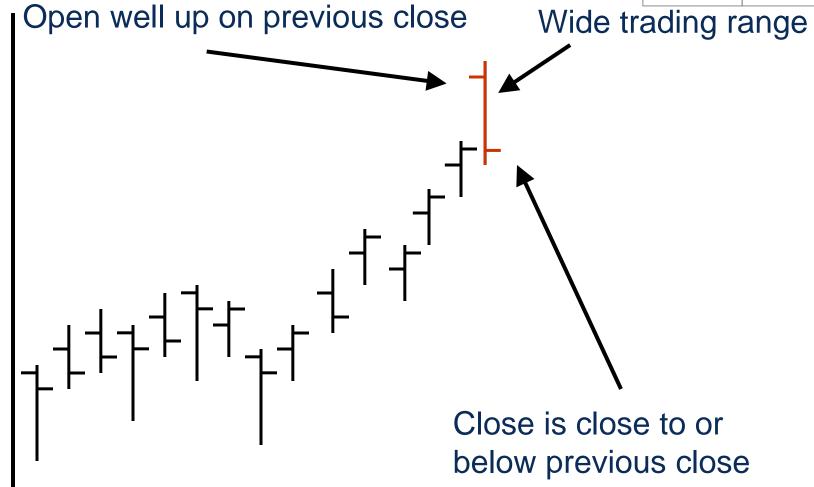






Key Reversal Bar





Technical Event Classes



- Short-term Patterns
 - Based on the shape and relationship of candlesticks or price bars
- Indicators & Oscillators
 - Based on moving averages and various mathematical functions
- Classic Patterns
 - Distinct price swings forming shape on chart



Indicators and Oscillators

- These are numerical calculations that help understand and anticipate price moves
 - Determine if prices are in a trend or whether they are in a trading range
 - Identify extreme points of the price movement
 - Identify points where prices might be expected to reverse

Various Types



- Trend following
 - Smooths price so trends can be seen as lines
- Momentum
 - Measures the speed or direction of price changes
- Stochastics
 - Measures the position of the close price relative to the recent highs and lows



Moving Averages

- Simple Moving Average is defined to be the average price over last N days
 - Also Exponential MA, Weighted MA, Adaptive MA, etc.
- Work best in trending markets
- Time frames are relative
 - 200 day moving average used in silver because Kodak used it to monitor inventory levels
 - 4 month moving average used for soybeans because that is the shelf life of margarine





Momentum Oscillators



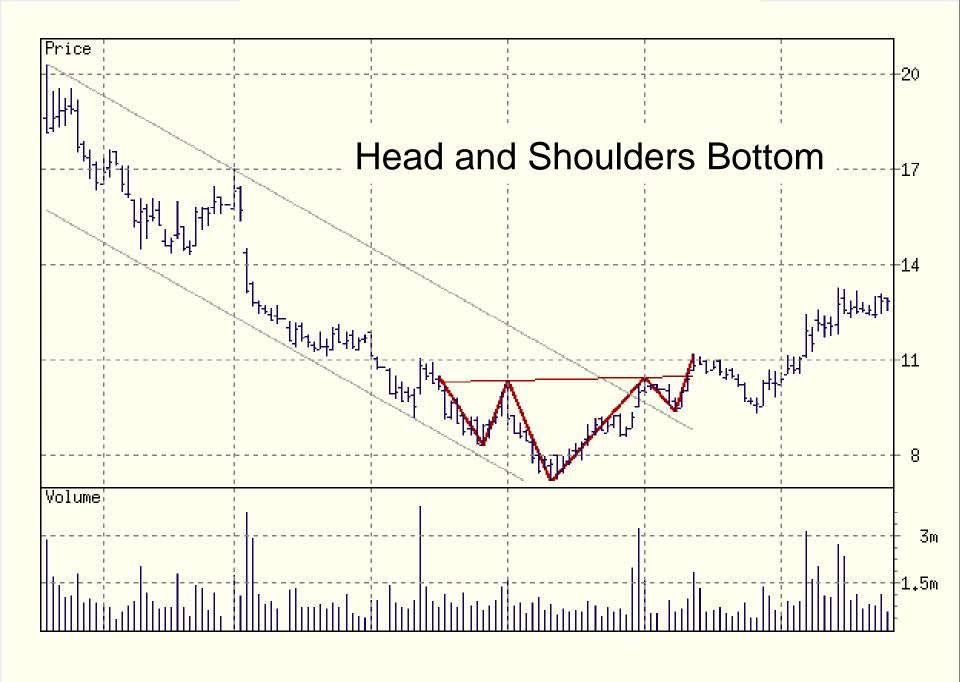
- Measures the rate-of-change of a price relative to a price N-days ago
- Scale is a numeric range rather than price
 - e.g. 0 to 100, or -1 to +1, etc.
- Includes
 - Rate of Change (ROC) indicator
 - Relative Strength Index (RSI)
- Extremes represent overbought and oversold conditions

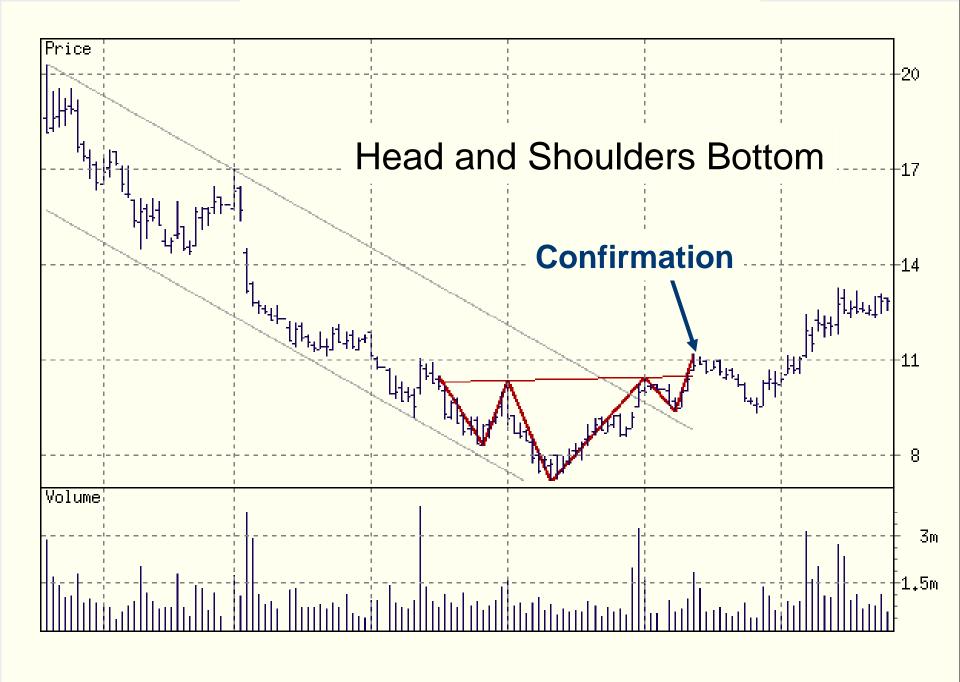


Technical Event Classes

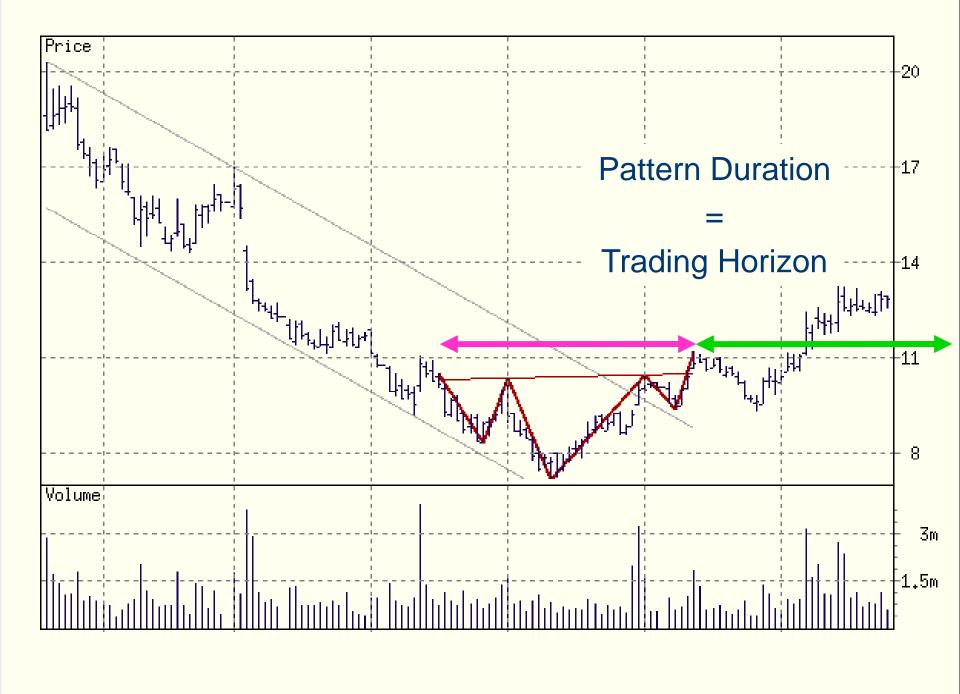


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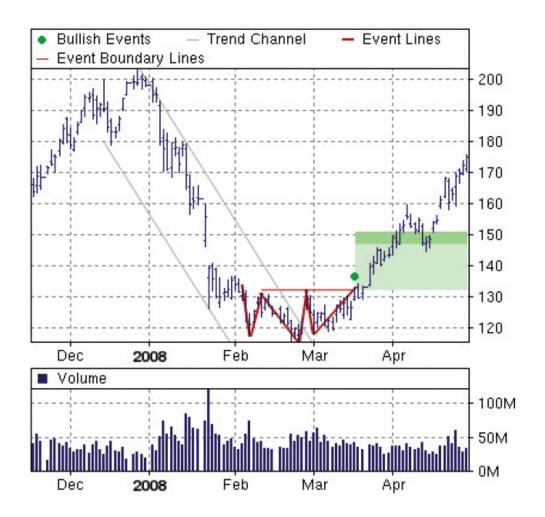






Triple Bottoms / Tops





- The Triple Bottom starts with prices moving downward followed by three sharp lows
- Volume decreases with each successive low and finally bursts as the price rises above the highest high confirming a bullish price reversal
- Bearish counterpart is the Triple Top

Double Bottoms / Tops





- The Double Bottom pattern marks the reversal of a prior downtrend
- The price form two distinct lows are roughly the same level
- Price finally breaks upward above the highest high to confirm the bullish signal
- Bearish counterpart is the Double Top

Triangles

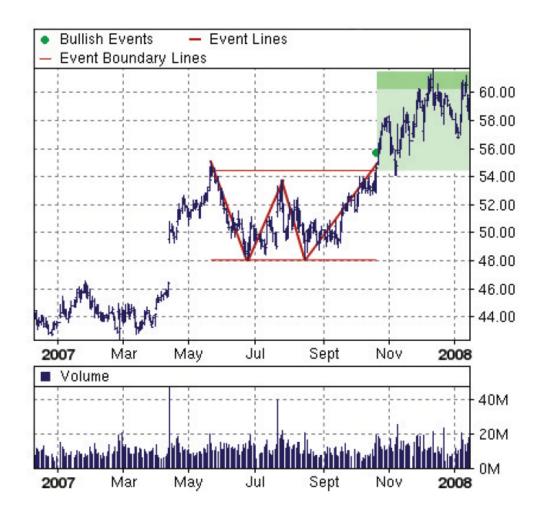




- The bullish triangle is characterized by two converging trendlines as prices reach lower highs and higher lows
- At roughly 2/3 to 3/4
 of the distance to the
 apex, the price breaks
 upward above the
 upper trendline with a
 noticeable increase in
 volume
- Types of triangles include: top triangles, bottom triangles and bullish/bearish continuation triangles

Upside / Downside Breakouts

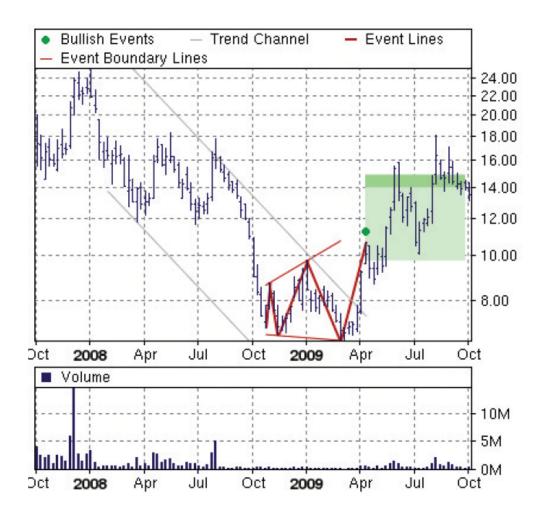




- The Upside Breakout pattern occurs when the price breaks upward through the top of a trading range marked by horizontal trendlines
- This bullish pattern indicates a change in sentiment amongst traders
- Bearish counterpart is the Downside Breakout

Megaphone Bottom / Top

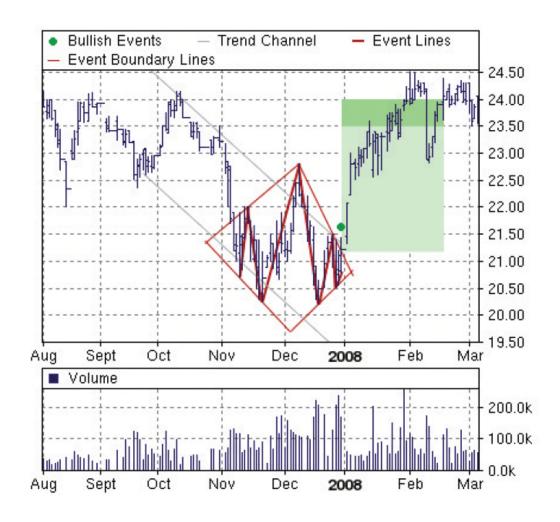




- The rare Megaphone Bottom (a.k.a. Broadening Pattern) is characterized by its successively higher highs and lower lows which form after a downward move
- The bullish pattern is confirmed when the price breaks upward above the highest high and fails to fall below this level again
- The bearish counterpart is the Megaphone Top

Diamonds

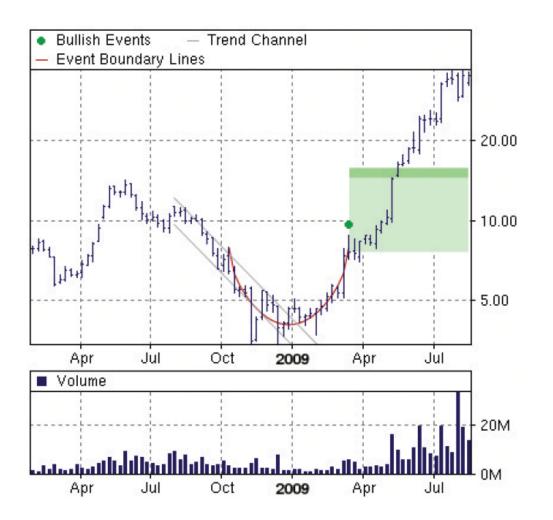




- A bullish Diamond pattern is characterized by prices forming higher high and lower lows in a broadening pattern. The trading range then narrows with lower highs and higher lows forming
- The price breaks upward above the upper trendline signaling the formation of a new trend
- Volume may remain high during the formation of a Diamond pattern
- Types of Diamonds include: Diamond Bottom, Diamond Top, Bullish/Bearish Continuation Diamond

Rounded Bottoms / Tops





- A Rounded Bottom follows a downtrend forming a gradual bowlshape reflecting a shift in the balance of supply and demand. Volume tends to mirror the price pattern
- As sentiment turns, the price starts to move upward and volume begins to increase
- The bullish pattern is confirmed when the price crosses above its moving average
- Bearish counterpart is the Rounded Top

Recognia Technical Events...



Short-term Patterns

- Gap ups and downs
- Hammers
- Shooting stars
- Bullish engulfing line
- Bearish engulfing lines
- Gravestones
- Hanging man
- Inverted hammers
- Island bottoms
- Island tops
- Shooting stars
- And more...

Classic Chart Patterns

- Head and shoulders tops and bottoms
- Symmetrical continuation triangles
- Double tops and bottoms
- Ascending continuation triangles
- Descending continuation triangles
- Bottom triangles / wedges
- Top triangles / wedges
- Continuation diamonds
- Continuation wedges
- Diamond tops and bottoms
- Megaphone tops and bottoms
- Triple tops and bottoms
- Upside breakouts
- Downside breakouts
- And more...

Indicators and Oscillators

- Price Crosses Moving Average
- Double moving average crossovers
- Triple moving average crossovers
- MACD (Moving average convergence divergence)
- Momentum
- Relative strength indicator (RSI)
- Short-term KST
- Intermediate-term KST
- Long-term KST
- And more...

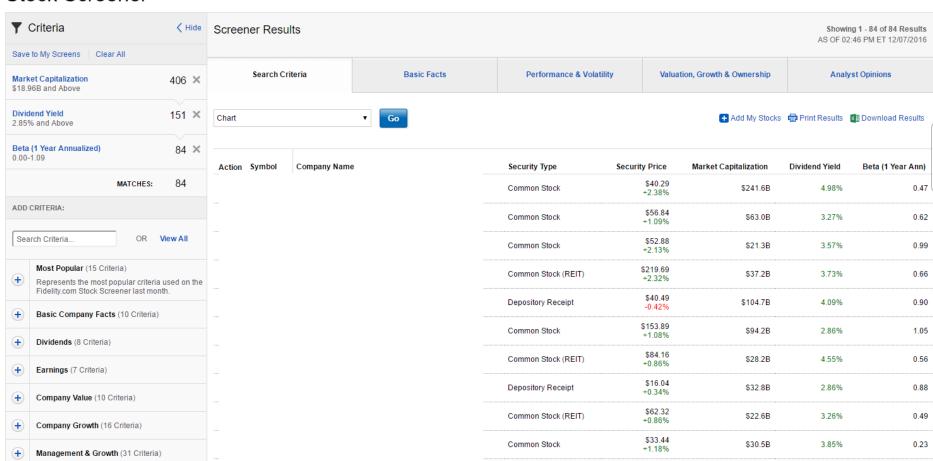
Using the New Fidelity Screeners



Predefined Screens

My Screens

Stock Screener

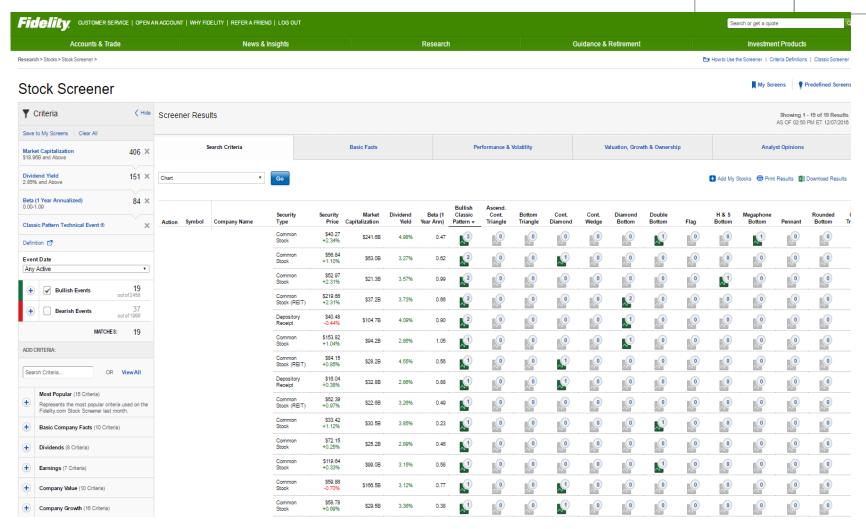


Create your own screens with the fundamentals and trading criteria you find interesting

Using the New Fidelity Screeners







Add Technical Events and see the number and type of matching events

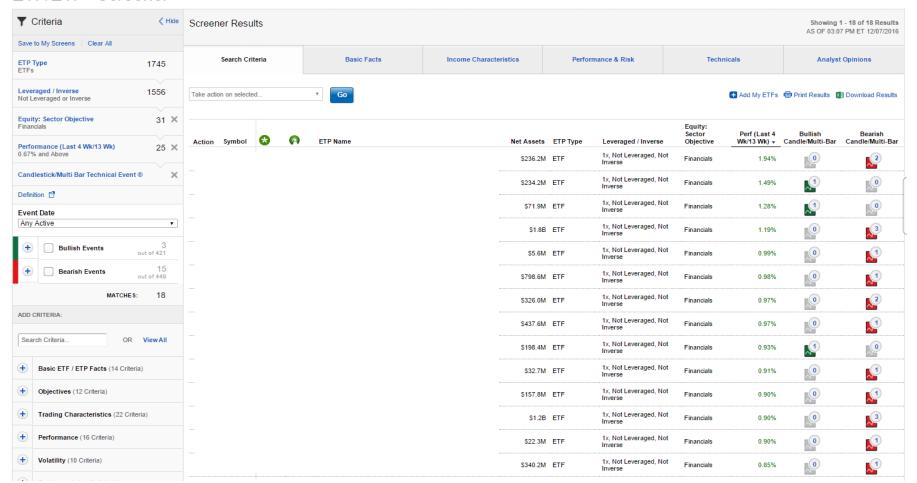
Also Screen for ETFs using Technical Events





My Screens

ETF/ETP* Screener



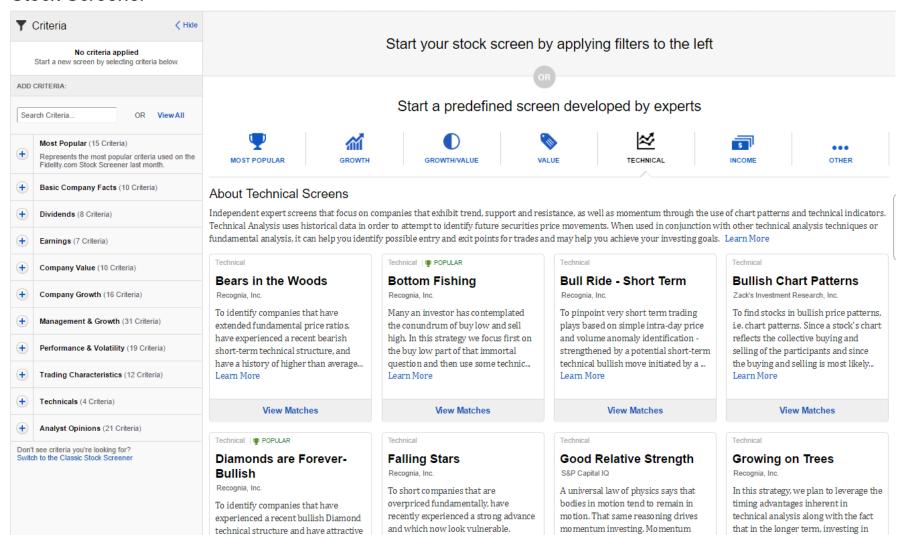
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Stock Screener



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Price Earnings Growth ratios.

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players buy stocks that have been ex...

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fundamentally sound companies u...

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Live Demo



Thank You