



Brainy's Articles on BullCharts

Fundamentals in BullCharts

Article No:
BC-02-500
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29 Jan 2010

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Introduction

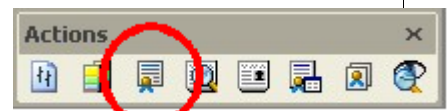
This article in Brainy's series on BullCharts (number BC-02-500) provides information about company fundamental data that is available in BullCharts, and how it can be utilised. It includes a descriptive list of all available fundamental data items, plus the real values for a selection of stocks from the S&P/ASX 200 index (eg. BHP, WOW, CSL, CBA, AMP, WDC).

Remembering that the BullCharts software is primarily a charting tool utilising Technical Analysis concepts, the use for fundamental data is somewhat limited. However, the BullCharts database does include some fundamental data, and scans can select stocks based on fundamental criteria.

Fundamental data — two lists of values

BullCharts includes an amount of fundamental data for each security in the database. Fundamental data can be accessed in BullCharts in two places:

- By running a Scan, and searching for stocks that meet certain criteria based on current fundamental values, comparing and returning up to 20 fundamental data items (listed below); and
- In the *Security Summary* section — For any displayed price chart, choose the menu option: *Actions > Security > Security-Summary*; or click on the *Security Summary* toolbar button (on the *Actions* toolbar, it is the third button — see Figure at right). An example of the resulting fundamental security information is shown in Figure 1 below. Note the first six items are also available via the scan method, whereas the bottom three values are additional information defined as follows:
 - Paid Up Value — represents the amount of application money and/or calls which have been paid on any security which is only partly paid. This figure excludes any premiums.
 - Statex Footnote — describes whether the Asset Backing, Earning Rate, Dividend Rate Per Share, and Total Annual Dividend Rate Per Share values are based on Interim or Preliminary results.
 - 52 Week High/Low — is the highest price and the lowest price over the past year.



Fundamentals	
Total Class Issue	3,356,081,497
Market Capitalisation	\$132,229,600,000
Asset Backing	\$8.84
Earnings Rate Per Share	\$1.3015
Earnings Yield	3.303%
Price/Earnings Ratio	30.273
Paid Up Value	\$1.0000
Statex Footnote	Based on prelim results
52week High/Low	44.490 / 26.640

Figure 1: Fundamental data available in the Security Summary.

Also note that the *Security Summary* section includes additional information relating to dividends, index participation, and more.



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Fundamental data — how can we use it?

Fundamental data can be useful to help identify stocks that satisfy criteria in two broad ways such as the following:

- To find **specific stocks** with fundamental values that meet specific criteria, for example:
 - All stocks with a market capitalisation between \$20 million and \$50 million.
 - All stocks with a 100% franked dividend.
 - All stocks within a given *GICS code*, or sub-code¹.
- To **produce a list of stocks**, and to sort the list in a particular sequence, for example:
 - Trading with a *PE Ratio* within a certain range (eg. between 4 and 12).
 - All stocks with a favourable *Annual Dividend per share*, and sorted by *Div per share*. Also for: *Dividend Amount*, *Dividend Cover*, *Dividend Yield*, *Earnings Yield*, *NTA*, etc.
 - A list of stocks sorted by *Ex-Dividend date*.

Fundamental data — twenty items to scan for

There are twenty “current” (ie. as of “today”) fundamental values that can be scanned for. Following is a list of the fundamental data items that can be scanned². Of course, some of the items below are derived using the latest share price, so they potentially change each day. On page 4 below is a sample table of these values for selected stocks from the S&P/ASX 20 index, as at the date indicated.

Note that some of these items are numerical data which can be used for comparison in a scan, whereas others cannot be compared, but can be displayed using the “Show this value” scan comparison item. Such values include: Ex-Date, and the four GICS codes and sub-codes.

- *Total Issue* — is the number of shares that have been issued.
- *Net Tangible Assets* — is the Net Tangible Assets of the company as released to the ASX.
- *Earnings Per Share (EPS)* — is the company's earnings for the past 12 months, divided by the number of shares (or *Total Class Issue*). Company earnings are reported every 6 months, and *EPS* is adjusted for any dilutions that have occurred since either of the earnings reports.
- *Dividend Per Share* — is the amount of dividend that has been paid for each share over the past 12 months, as reported by the company. Dividends are reported every three or six months, and any dilutions are taken into account. This does not include any special cash or scrip dividend.
- *Current Dividend Amount* — is the cash dividend amount of the most recently announced dividend, net of withholding tax.
- *Franked Percent* — is the portion of the dividend on which taxation has already been paid.
- *Gross Dividend Amount* — is the amount payable per security, taking into account company tax and franking for both interim and final dividends.
- *Annual Dividend Rate Per Share* — is the amount of dividend that has been paid for each share over the past 12 months, as reported by the company. Dividends are reported every three or six months, and any dilutions are taken into account. Unlike the *Dividend Rate Per Share*, this does include any special cash or scrip dividend.
- *Market Capitalisation* — represents the total worth of a company, and is calculated as the *current price per share* multiplied by the *Total Class Issue*.

1 For a list of GICS codes and their definitions, see: http://www.asx.com.au/research/pdf/gics_structure.pdf

2 From the BullCharts help materials.



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- *Earnings Yield* — The *earnings per share* for the last 12 months divided by *last share price* in cents. It is the inverse of the *Price/Earnings Ratio*.
- *Price/Earnings Ratio* — is the current *share price* divided by the *Earnings Per Share (EPS)*.
- *Dividend Yield* — is the *Dividend Rate Per Share* divided by the *price per share*, expressed as a percentage.
- *Dividend Cover* — This ratio shows the proportion by which the dividend is covered by the earnings. A dividend cover greater than 1.3 times is considered comfortable. If the dividend cover is less than 1, then the company is paying out more than it is earning.
- *Ex Date* — is the date from which a security holder will retain their rights to benefits associated with owning the security, such as dividends. Can not currently be used in comparisons. Use "show this value", or use for sorting.
- *Dividend Payable Date* — is the date on which the most recently announced dividend becomes/became payable. Can not currently be used in comparisons. Use "show this value", or use for sorting.
- *GICS Code* — The eight digit Global Industry Classification System code. It represents four groups of two digits that signify the sector, industry group, industry and sub industry respectively.
- *Sector* — The name of the GICS sector.
- *Industry Group* — The name of the GICS industry group.
- *Industry* — The name of the GICS industry. Note: this is withheld by the ASX for some securities.
- *Sub Industry* — The name of the GICS sub industry. Note: this is withheld by the ASX for many securities.

Manipulating the fundamental data

Within the BullCharts scanning capabilities, all the fundamental data items are available for further manipulation, or within calculations. This can be done using BullScript. To see the variable names for these items, simply create a scan, and on the last tab of the BullScan Properties (4. Advanced), use the button "Generate Scan BullScript" to see the variable names and BullScript code.

Summary

This article in Brainy's series on BullCharts (number BC-02-500) has provided information about the fundamental data that is included, and how it can be utilised.



For more information on Share Trading, or
Technical Analysis, or BullCharts software,
look for more of Brainy's articles, or the other resources, in
Brainy's Share Market Toolbox: www.robertbrain.com

Your own notes and comments:

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See Table overleaf.../



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Name	BHP Billiton Limited	Woolworths Limited	CSL Limited	Commonwealth Bank	AMP Limited	Westfield Group
Last share price (close)	39.400	25.860	31.180	53.230	6.260	12.640
Total Issue	3,356,081,497	1,239,999,313	582,743,187	1,534,265,722	2,048,645,162	2,307,773,663
Net Tangible Assets	8.840	1.54	7.49	13.65	0.67	11.02
Earnings/Share (EPS)	1.302	1.51	1.93	3.29	0.3	-2.12
Dividend/Share	1.136	1.04	0.7	2.28	0.3	1
Current Dividend Amount	0.487	0.56	0.4	1.15	0.14	0.47
% Franked	100.000	100	0	100	50	0
Gross Dividend Amount	1.623	1.49	0.7	3.26	0.39	1
Annual Dividend/Share	1.136	1.04	0.7	2.28	0.3	1
Market Cap	132,229,610,982	33,231,981,588	18,268,998,912	83,816,936,393	13,029,383,230	28,177,916,425
Earnings Yield	3.303	5.62	6.14	6.01	4.65	-17.33
PE Ratio	30.273	17.78	16.29	16.63	21.49	-5.77
Dividend Yield	2.884	3.88	2.23	4.17	4.72	8.21
Dividend Cover	1.145	1.45	2.75	1.44	0.99	-2.11
Ex Date	31/08/2009	07/09/2009	14/09/2009	17/08/2009	07/09/2009	11/08/2009
Dividend Payable Date	25/09/2009	09/10/2009	09/10/2009	01/10/2009	16/10/2009	31/08/2009
GICS Code	15104000	30100000	35200000	40100000	40300000	40402000
Sector	Materials	Consumer Staples	Health Care	Financials	Financials	Financials
Industry Group	Materials	Food & Staples Retailing	Pharmaceuticals & Biotechnology	Banks	Insurance	Real Estate
Industry *	Metals & Mining					
Sub Industry *						Property Trusts

Table — Fundamental data from BullCharts, for a selection of the S&P/ASX 20 index constituents (as at 30 January 2010).
Note that some GICS sub-codes are withheld by the ASX for many securities.