Cut to the Chase

A Study of the Usefulness of a Simplified Residual Income & Abnormal Earnings Growth Model

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Abstract

This study explores the usefulness of two simplified accounting based valuation models; the simplified residual income and simplified abnormal earnings growth models. With a quantitative approach, the companies on the Stockholm Stock Exchange's Large Cap List have been used as a sample for two tests. First we have, by conducting a historical analysis, tried to find company characteristics that would imply better compatibility with the models. Further, we have applied the models on a holdout sample in order to test the observed patterns and the accurateness of the models. Our results show that the two models are applicable on companies that are; old, preferably large and operate in mature industries. In addition, we find that the simplified residual income valuation model is applicable on more companies than the simplified abnormal earnings model.

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1 Introduction

In the literature covering valuation techniques as well as in practice, two general trends can be observed. One is towards multiple valuation techniques whilst the other is towards fundamental valuation techniques including Free Cash Flow valuations and accounting based valuations such as the Residual Income Valuation and the Abnormal Earnings Growth model. In this study of 59 companies on the Stockholm Stock Exchange, we try to find a path in between these two trends by evaluating two alternatives; two quick accounting based valuation techniques using only a terminal value for an initial estimate of a company's market capitalization.

There are several advantages of multiple valuation techniques. First and foremost they are widely accepted methods for performing quick valuations of companies; as a reality check together with fundamental valuations and for getting a raw estimate of the company value. In addition they are based on observable variables, e.g. stock price and earnings. The multiple techniques are relying on that the market prices are correct; i.e. a semi strong market efficiency (Fama E. , 1970). The multiple valuation models have supporters both in practice and in research. For example, Liu, Nissim, & Thomas, (2002) finds that the Price to Earnings ratio outperforms other multiples as well as the more complex Residual Income Valuation model in explaining stock prices. However, a multiple valuation also has some inherent disadvantages. The primary one being that is based on industry average variables which overlooks that companies within an industry can have very different prospects which warrants different multiples. When multiplying earnings by an industry average, this "fair" valuation could be far from true (Goedhart, Koller, & Wessels, 2005).

So what if too much emphasis is put on market data and the market does not fulfil the criteria for semi strong market efficiency? If so, the multiples are based on information that is incorrect. There are a number of generally accepted methods for valuing a company where the valuation relies less on market data and more on accounting information. Two of these are the Residual Income Valuation Model and the Abnormal Earnings Growth Model. The accounting based models has gained supporters as they empirically has been found to explain stock prices better than cash flow and dividend based models (Francis, Olsson, &

Oswald (2000), Penman & Sougiannis (1996)). Both of these models are based on the idea that a company only adds value when it can earn returns above the required rate. However, properly applying the models in order to calculate the value of a company involves a number of time consuming tasks. To be able to build a credible model a profound knowledge of the company and the industry is needed. From this information an explicit forecast period is built. The forecasts of these models will by definition be uncertain since there are detailed assumptions for many years in the future. For every year added, more detail is put into the model. If one would have all necessary information asymmetries and uncertain future, the model becomes more speculative and uncertain for every explicit year added. Thus, for everyday decision making it might be valuable to have a quick valuation technique that is based on accounting data but is less time consuming than the complete valuation models. These models will also contain less speculative information, something that might be an advantage in an uncertain environment.

To our knowledge, these two simplified valuation models have not been tested in previous research. The lack of previous empirical tests of the models makes our study more relevant and interesting since it will provide an indication of the practical usefulness of the models. Our results show that a rather clear pattern can be observed regarding what types of companies the models are more applicable on. Hence, in certain situations, it might be possible to "cut to the chase" by taking the quick route when valuing companies with accounting based models.

If nothing else is said in this paper, RI stands for the actual Residual Income for a year or number of years whilst RIV is the abbreviation for the actual Residual Income Valuation model. AEG stands for Abnormal Earnings Growth for a year or number of years. When referring to the model, this will be explicitly written out. When referring to the simplified versions, an "S" is added in front of the abbreviation; "SRIV" and "SAEG". Other abbreviations should be explained throughout the text.

1.1 Purpose

In this paper, we would like to test the functionality of two simplified valuation models; a simplified RIV and a simplified AEG. As indicated by their names these versions are both quicker and easier to apply than the complete models. The general idea is that you skip the difficult and uncertain task of forecasting the future performance during the explicit forecast period. Instead you apply the continuing value calculation today. Thus, for the SRIV the value of a particular company is equal to the book value of equity plus the continuing value. For the SAEG the value is equal to next year's capitalized earnings and continuing value of eternal AEG. When applying the simplified version you only need to forecast earnings for one year ahead for the SRIV whilst the SAEG requires forecasts of earnings for two years ahead and next year's dividend. Assuming it works, this is a much more certain and easier task than forecasting earnings and dividends many years into the future. However, by applying these models you by definition assume that the residual incomes or abnormal earnings of the company being valued will grow at the same rate every year in eternity. This assumption does not hold true for many companies and for those companies the simplified valuation models will not produce correct values. However, these models could at least in theory generate a good approximation of the true value of a company.

This leads us to the purpose of this paper.

- The primary purpose of this paper is to test the simplified residual income and abnormal earnings growth valuation models ability to generate good approximations of a company's value.
- 2) A secondary purpose is to make an attempt to draw some conclusions about on what type of companies and industries the models are more applicable. If such conclusions can be drawn an analysis of which type of characteristics those companies and industries possesses will be conducted.

Answering our primary purpose will be done by constructing a quantitative model in two parts. First an analysis sample¹ of companies from the Stockholm Stock Exchange will be studied with regard to the historical growth in residual income and abnormal earnings growth to give us an indication if the models theoretically would work and what characteristics the companies for which the models works for possess. In the second part of the study the models will be tested on a hold-out sample² to see how the model would work in practice. To answer our secondary purpose we will find quantitative and qualitative patterns in our sample by grouping the sample with regard to different characteristics. Possible explanations for our results will be given by comparing it with relevant research and literature. We will also test the sensitivity of our results to see what will happen if the assumption we have made change.

This paper is organized as follows. In the next part we will describe how we have chosen to limit our study. Section II describes the literature and the theoretical framework whilst Section III describes the methodology we have used including the characteristics of our sample and data selection. The results we have gathered from our data are presented in Section IV. Section V analyses the results of our study and test the sensitivity of our results. Section VI discusses the validity and reliability whilst Section 7 concludes and discusses the implications and possible further research to be made.

1.2 Delimitations

Since the analysis is dependent upon historical data which is readably available for publicly listed companies, the OMX Large Cap List is chosen. However, there are far more companies that are publicly listed in Sweden than those on the Large Cap List. The reason for focusing on the largest companies is to limit the scope of the study. They are also a well defined group large enough to draw statistically reliable conclusions from; they have generally been

¹ The analysis sample (sometimes referred to as an "estimation sample") provides a test of the model's predictive validity

² The holdout sample is used to see how well the results from the analysis sample works on a separate set of data to give a stronger validity than if tested on the same data

listed long enough to be able to get the necessary data; and they are also generally covered by more analysts which in turn gives more reliable average earnings forecasts. We have chosen to focus on Swedish Companies only since this will make comparability easier as accounting principles change across countries.

Trying to draw general conclusions on tests on two models on a sample of this size is difficult. For us to be able to draw any conclusions we have had to assume that the market is efficient, i.e. that the stock prices we test the model on are correct. Of course, it might as well be that the shares are over- or undervalued and that the model can show effects of that kind. However, it is out of the scope of this study to find imperfections in the market.

2 Theoretical Framework

2.1 Residual Income Valuation³

The basic feature of the Residual Income Valuation model is to calculate the value of owner's equity in a company by estimating the excess profit over the required rate of return. The model is based on the idea that a company only adds value when it can earn returns greater than the required rate. The excess returns are called residual incomes and are computed as described in equation 2-1:

Equation 2-1

Residual Income_t =
$$(R_{e(t)} - \rho_{e(t)}) \times B_{(t-1)}$$

Where,

 $R_{e(t)} = return on euity$

 $\rho_{e(t)} = required return on euity$

 $B_{(t-1)}$ = opening balance book value of owners equity

The RIV can be divided into three components; the accounting book value, the present value of the explicit period, and the present value of the expected value of owners' equity at the horizon point in time. These three components give equation 2-2:

Equation 2-2

$$V_0 = B_0 + \sum_{t=1}^{T} \frac{B_{t-1}(R_{e,t} - \rho_e)}{(1 + \rho_e)^t} + \frac{\frac{B_T \times (R_e - \rho_e)}{\rho_e - g_{ss}}}{(1 + \rho_e)^T}$$

Where:

 $V_0 = Value of owners' equity at t = 0$

 $B_0 = book value of equity$

³ The section on the RIV model is largely based on Kenth Skogsvik's "A Tutorial on Residual Income Valuation and Value Added Valuation" from 2002

 $R_{e,t} = Return on equity accrued in period t$

$$\rho_e = cost \ of \ equity$$

 $g_{ss} = steady \ state \ growth$

The first part, the accounting book value is the actual accounting figure of equity in the company's balance sheet and can be regarded as unproblematic, at least as long as the clean surplus relation holds (Skogsvik 2002). The second component, which we call the explicit period, is expressed in equation 2-3:

Equation 2-3

$$\sum_{t=1}^{T} \frac{B_{t-1}(R_{e,t} - \rho_e)}{(1 + \rho_e)^t}$$

It is the sum of a number of years where actual assumptions and numbers are gathered for each year. The explicit period can last anywhere from a few years up to a very long period depending on where it is estimated that the company have reached steady state. As have been studied in research (Nissim & Penman (2001), Bergmark & Cecchini (2002), Fama & French (2000)), companies tend to revert to steady state in a process normally labeled as a mean reversion. Mean reversion will be described in more detail in section 2.7 but there is no general rule on when a company reaches steady state. This takes us to our last component, equation 2-4 which expresses the value for steady state:

Equation 2-4

$$\frac{B_T \times (R_e - \rho_e)}{\rho_e - g_{ss}}$$
$$\frac{1}{(1 + \rho_e)^T}$$

This variable expresses the continuing value which represents the residual income that the company will generate in eternity. By applying the continuing value formula one assumes that the company has reached steady state which is characterized by a constant year to year growth rate of residual income. At steady state one no longer needs to explicitly forecast each year's residual income as it will grow by a constant factor each year, g, which will be similar to that of the economy as a whole, and the Gordon Growth Formula is therefore

applicable. The calculated continuing value represents the value of owner's equity at the horizon point in time. In order to get the value of owner's equity at the valuation point in time the continuing value is discounted by $(1 + \rho_e)^T$.

2.2 Simplified Residual Income Valuation

As explained above applying the RIV model requires a detailed forecast period. However, there is a simplified version of the RIV model. The model is simply known as the Simplified Residual Income Valuation. The simplified version assumes that the company being valued already has reached steady state and the continuing value formula is therefore applied as of today. Hence, one only needs to forecast next year's earnings. Consensus forecasts⁴ are regularly published making the model quick and relatively easy to apply. As the explicit forecast period is omitted in the simplified model the formula for computing the value of owners' equity is defined as in equation 2-5:

Equation 2-5

$$V_0 = B_0 + \frac{B_0 \times (R_e - \rho_e)}{\rho_e - g_{ss}}$$

2.3 Abnormal Earnings Growth Model⁵

An alternative to the residual income valuation model is the abnormal earnings growth model. The two models are fundamentally very similar and are both based on the idea that a company adds value when it earns above the required rate of return. A testament to the similarity between the two models is that a restatement of the abnormal earnings growth formula shows that the abnormal earnings growth for a particular year is equal to the change in residual income between that particular year and the year before. If this is the case the two models will always produce identical company values. However, the models

⁴ A Consensus forecast is the average of the published research analysts' forecasts

⁵ The section on the Abnormal Earnings Growth model is, unless stated otherwise, based on Stephen H. Penman's Financial Statement Analysis and Security Valuation (2005)

are only restatements of each other under the assumption that the clean surplus relation holds. (Penman, 2005) The clean surplus relation states the change in equity from one year to the next is equal to net income less net dividends. In reality this is not often the case. Translation differences and other items do not flow through the income statement but still affects the book value of equity violating the clean surplus relation. These types of accounting effects are referred to as dirty surplus accounting.

Even though the residual income and the abnormal earnings growth models theoretically are very similar they have different focal points. The residual income model anchors the company value on the book value of equity and adds on the value of future earnings above the required level. In contrast the abnormal earnings model anchors the company value on future earnings. To focus on earnings has some inherent advantages. Users of financial information understand earnings, the model has a natural connection to the widely used price-to-earnings multiple and analysts regularly publish forecasted earnings. (Penman, 2007) In addition, a significant advantage of the AEG model is that it does not require clean-surplus accounting which RIV does. (Penman, 2005) Even when the clean-surplus relation holds on a total dollar basis it can still be violated on a per share basis through share transactions. When for example a company issues new shares at a price that differs from the book value per share the book value per share will be affected. Hence, as the RIV is dependent on clean-surplus accounting the model does not take share transactions into account. (Ohlson, 2005)

The abnormal earnings growth model is based on the idea that a company's value depends on its ability to produce earnings above a normal level. In order to calculate the abnormal earnings growth for a particular year the concept of cum-dividend earnings is applied. The abnormal earnings growth is equal to the difference between cum-dividend earnings and normal earnings. Equation 2-6 shows how AEG is defined:

Equation 2-6

$$\begin{split} AEG &= cum \ dividend \ earnigs(t) - \ normal \ earnings(t) \\ &= \ [earnings(t) + \ \rho_e \times dividend(t-1)] - \ (1 + \rho_e) \times earnings(t-1) \end{split}$$

Cum-dividend earnings are thus defined as actual earnings with last year's dividend reinvested at the required rate of return while normal earnings is equal to last year's earnings growing at the required rate of return.

As the abnormal earnings growth model theoretically is very similar to the residual income model the formula for valuing the owner's equity with AEG is also similar to the RIV formula. It consists of the three components in equation 2-7, defined in the following way:

Equation 2-7

$$V_{0} = \frac{Earnings_{1}}{\rho_{e}} + \frac{1}{\rho_{e}} \left(\sum_{t=2}^{T+1} \frac{AEG_{t}}{(1+\rho_{e})^{t-1}} + \frac{AEG_{T+2}}{\rho_{e} - g_{ss}} \right) (1+\rho_{e})^{T}$$

Where:

 V_0 = calculated value of owners equity at the valuation point in time Earnings₁ = forecasted earnings for one year ahead

 $AEG_t = abnormal \ earnings \ growth \ for \ period \ t$

 $\rho_e = required \ return \ on \ equity$

 $g_{ss} = steady \ state \ growth \ rate$

The first component expresses the capitalized earnings for one year ahead. In the next step of the valuation one develops the same explicit forecast period as in the residual income valuation. Hence, one is faced with the same difficulties concerning the need for profound knowledge of the company being valued in order to make reliable assumptions about the future. The final component is the continuing value which expresses the value of owner's equity at the horizon point in time. At this point the company is assumed to have reached steady state making the Gordon Growth Formula applicable. The sum of the discounted abnormal earnings growths attributable to the explicit forecast period and continuing value is then capitalized by the required return on equity. Adding the capitalized earnings for period one gives the value of owners' equity at the valuation point in time.

2.4 Simplified Abnormal Earnings Growth

In the same way as for the Simplified RIV, the simplified version of the AEG model applies the Gordon Growth Model as of today and the explicit forecast period is thereby excluded (Penman, 2007). SAEG assumes the company being valued has reached steady state; hence the company will exhibit a constant growth in abnormal earnings growth. The only two variables that need to be forecasted in the simplified model are next year's earnings per share and dividend per share, making the model quick and easy to apply. The SAEG formula is presented as in equation 2-8.

Equation 2-8

$$V_0 = \frac{EPS_1}{\rho_e} + \frac{1}{\rho_e} \left(\frac{AEG_2}{\rho_e - g_{ss}} \right)$$

Where:

 $V_0 = Calculated per share value at the valuation point in time$ $EPS_1 = Forecasted earnings per share for one year ahead$ $AEG_2 = Forecasted abnormal earnings growth for two years ahead$ $\rho_e = required return on equity$ $g_{ss} = steady state growth rate$

The value per share is thus found by capitalizing next year's earnings per share and the value of all future abnormal earnings growths.

2.5 Clean Surplus Relation

The clean surplus relation of accounting states that the changes in equity are dependent only on net income, dividends and new issues of share capital, see equation 2-9. For the RIV to work it is assumed that the clean surplus relation holds for every period. Equation 2-9

$$B_t - B_{t-1\ t} = NI_t - D_t + N_t$$

Where:

 $D_t = Dividend$ in period t

 N_t = New issue of shares in period t

 $B_t = Book value of equity in period t$

 $NI_t = Net income in period t$

The AEG valuation model does not require the clean surplus relation to hold. However, when clean surplus relation holds the same value of owners' equity is generated by both the RIV and AEG model.

2.6 Capital Asset Pricing Model

Both valuation models applied in the thesis rely on measuring the cost of equity in a particular company. Ideally the cost of equity should be the expected return on that particular stock. However, the expected return is not observable so we turn to asset-pricing models which employ different measurements of risk that translates to expected returns. Three of the most popular asset-pricing models are; Capital Asset Pricing Model(CAPM), Fama-French three-factor model and the arbitrage pricing theory (APT). The primary difference between the models is their respective definition of risk (Goedhart, Koller, & Wessels, 2005).

We have chosen to apply the CAPM in the thesis because it is the most commonly used out of the three. (Goedhart, Koller, & Wessels, 2005) In CAPM the risk of a particular stock is defined as its sensitivity to a well-diversified stock portfolio, such as the S&P 500 or in our case the commonly used Swedish index, OMX 30.

Equation 2-10 shows how the formula for calculating the expected return according to CAPM is defined:

Equation 2-10

$$E(R_i) = r_f + \beta_i [E(R_m) - r_f]$$

Where:

 $E(R_i) = The expected return on stock i$

 $r_f = risk-free rate$

 $\beta_i = Beta \ value \ of \ stock \ i$

$$[E(R_m) - r_f] = The market risk premium$$

Within the framework of CAPM the risk-free rate and the market risk premium is the same for all companies. The risk-free rate is defined as the interest rate on a risk free investment which normally is approximated with the interest rate on a default-free government bond. However, government bonds are issued with a wide variety of maturities. When valuing a company you should ideally choose a maturity that corresponds to the point in time when the cash-flow or earnings to be discounted will occur. It would however be an immense task to apply different interest rates for all the different discounting periods. Hence, the interest rate on a ten year government bond is often used. One could argue that a bond with a longer yield to maturity, e.g. 30 years, would be more suitable since you are discounting eternal cash flows. However, bonds with very long maturity tend to be rather illiquid causing stale prices and yields. Moreover, it is important to use a locally issued bond, i.e. a US government when valuing an American company, since the cost of capital and cash flows should be denominated in the same currency in order to ensure that inflation is handled consistently. (Goedhart, Koller, & Wessels, 2005)

Moving forward in the computation of the cost of equity you need the beta value of the particular stock. The beta value measures a stock's sensitivity to market movements. A stock with beta value 1 will move precisely as the market. A stock with beta value between 0 and 1 tend to move in the same direction as the market but not to the same extent. Beta value above 1 indicates that the stock will move in same direction as the market but to a greater extent. Finally, a stock with beta below 0 tends to move in the opposite direction to the

market. (Brealy & Myers, 2003) Beta values are not readily observable and therefore one needs to estimate them. This is done by performing a regression between the historical returns of the particular stock and a well diversified market portfolio.

Naturally, investing your wealth in stocks is riskier than buying government bonds and an investor therefore requires a return premium when investing in stocks. Within the CAPM framework this is referred to as the market's risk premium which is a measure of the difference between the expected return on a well diversified market portfolio and a risk-free investment, e.g. a government bond. Although there is plenty of research available discussing the appropriate level for the risk premium there is no definite answer. However, it has historically been shown that investments in stocks have been overcompensated, i.e. the risk premium has been too high compared to actual risk taken. The phenomenon of over compensation for risk is referred to as "The Equity Premium Puzzle". (Siegel & Thaler, 1997)

2.7 Mean Reversion and Steady State Assumption

There is extensive research available that shows that profitability and earnings for a particular company in the long run will revert to both an industry and economy mean level as shown in figure 2-1. For example, Fama & French (2000) showed that when forecasting profitability and earnings it is reasonable to assume a mean reverting pattern in both variables due to the competitive business environment. Dechow et al (1999) finds that residual income also follow a mean reverting process. They also find that the degree of mean reversion is associated with economic characteristics. The rate of mean reversion is for example correlated across firms in the same industry (Dechow, Hutton, & Sloan, 1999).

Consequently, it is reasonable to assume that whichever company one studies will eventually reach steady state. Steady state is characterized by constant growth rate in earnings. Hence, any given company will eventually exhibit a stable growth pattern in earnings meaning that a continuing value calculation is applicable. Fama & French (2000) studied profitability and earnings pattern over the period from 1964 to 1995, i.e. 31 years. Thus, randomly picking a company today and assume that it has reached steady state, i.e. that the SRIV and SAEG will produce accurate valuations of owner's equity, is not very reasonable. This since a randomly chosen company can with the same probability be found anywhere on the mean reverting curve. However, Nissim and Penman (2001) tested mean reversion on American companies and found that in their sample, companies revert to a portfolio average within only around five years (Nissim & Penman, 2001). A study of mean reversion on Swedish companies found that the return on equity is converging already after four years (Bergmark & Cecchini, 2002). These studies indicate that more companies might reach steady state earlier than in the study by Fama & French (2000).





2.8 Hypotheses

From a theoretical perspective it is reasonable to remain skeptical to models that are as simplified as those we propose since they assume a constant stable development of residual income and abnormal earnings growth respectively, i.e. they assume steady state. A full RIV or AEG model would capture fluctuations or growth patterns that do not follow steady state assumptions. Taking this "over simplicity" into account takes us to our first hypothesis:

1) Our first hypothesis is that the models will in general not produce good approximations of company values.

It is still reasonable to believe that some companies, as suggested by different studies, revert to steady state reasonably fast. As we have focused on large companies of which

many are relatively old and in mature industries, some companies might have reached a point close to or in steady state. This takes us to our second hypothesis:

2) Our second hypothesis is that the models will produce better approximations on companies that might have reached, or be close to reaching a steady state. Companies more likely to be in steady state operate in mature industries, are older and larger than the average company.

3 Method and Operationalization of Models

3.1 General Method

What we initially want to study is if the historical development of RI and AEG for the companies on the Stockholm Stock Exchange Large Cap List RI show a growth which is below the required rate of return on equity. If the historical growth is above the required return, that growth figure would be mathematically meaningless to apply in the Gordon Growth Formula since the denominator would be negative which would indicate that the simplified models not are applicable.

The second part of our study will test the two simplified models on the companies and compare the resulting values with stock prices for an indication on the accuracy of the models. However, when testing the models it would be unreasonable to plug in a growth rate that is higher than the forecasted long term growth rate of the economy. A company that in eternity grows faster than the economy will eventually be the only company left. This is an unreasonable assumption and we will therefore use the expected long term growth rate of the economy, 4 percent, and not the rate calculated in the historical study when applying the growth rates to the models in the second step of the study. Sweden's yearly real GDP growth has on average been around 2 percent during the period from 1990 to 2006 (Statistik: Konjunkturinstitutet, 2007). By adding the long term inflation target set by the Swedish Riksbank, 2 percent (Penningpolitik: Riksbanken, 2007), you arrive at a growth rate of around 4 percent. As the period from 1990 to 2006 covers both up- and downturns in the economy it is reasonable to assume that the long term future growth rate will be similar and we have therefore chosen to apply 4 percent when testing the models.

In order to analyze the hypothesis at issue a quantitative study of all the firms listed on the Swedish Large Cap List will be conducted. Historical data for the period from 1990 through to 2005 have been collected in order to enable an analysis of the development of the in the study included companies RI and AEG. A period of 15 years is chosen to get a sufficient sample. A longer period would exclude a large fraction of the companies whilst a shorter period would generate less statistically reliable results.

3.2 Sample Selection and Data Collection

Our initial sample consists of the 73 companies on the Stockholm Stock Exchange's Large Cap List. However, it has been necessary to reduce the initial sample of 73 companies as some companies do not meet the necessary basic requirements of available information to make the analysis. The data enabling the analysis is collected using Datastream⁶. The required data for the respective model will be specified in sections to come. When data is not available in Datastream alternative sources (e.g. company websites) is explored. Companies where data covering only nine years or less is found are omitted. The period of nine years is a compromise between getting a large enough sample and getting enough number of years to draw conclusions from. Requiring more years would reduce the sample drastically whilst a shorter period would give us a quite short time frame. All investment companies except for Investor are excluded from the second part of this study since no earnings forecasts are published. They are however included in the first part of the study. As shown in table 3.1, the analysis sample consists of 59 companies while the hold-out sample contains 52.

3-1 Sample selection process

| | No of companies | % |
|---------------------------------|-----------------|------|
| OMX Large Cap List | 73 | 100 |
| Less than nine years of data | 14 | 19 |
| Analysis Sample | 59 | 81 |
| No published earnings forecasts | 7 | 9,5 |
| Holdout Sample | 52 | 71,5 |

3.3 Part 1 – The Analysis Sample

A number of conditions have to be met in order for the SRIV and SAEG to generate a correct value of owner's equity of a particular firm. The most prominent one is, since both models include an application of the Gordon growth formula, that constant growth in RI and AEG is assumed. If one were to apply the models one would therefore normally plug in the long term growth rate of the economy into the models since a firm cannot grow more than

⁶ A widely known electronic database consisting of economic and financial information

economy as a whole in the long run. However, since both residual income and abnormal earnings growth is capitalized by the required rate of return less the long term growth rate the models can, at least theoretically, be applied on any firm which does not exhibit a growth rate that is greater than the required rate of return on owner's equity. A growth rate above the required rate of return would result in a negative denominator and the continuing value formula would hence be meaningless to apply.

Identifying those firms within the sample that had shown a yearly growth rate in RI and AEG respectively which was less than the corresponding required rate of return would give an indication on which firms the models could be applicable. For the first part of the study we will therefore calculate yearly RI and AEG for all companies in the analysis sample. The formulas applied to calculate yearly residual incomes and abnormal earnings growths are shown in equation 3-1 and equation 3-2 respectively.

Equation 3-1

Residual Income_t =
$$(R_{e(t)} - \rho_{e(t)}) \times B_{(t-1)}$$

Equation 3-2

$$AEG = cum dividend \ earnigs(t) - normal \ earnings(t)$$
$$= [earnings(t) + \rho_e \times dividend(t-1)] - (1 + \rho_e) \times earnings(t-1)$$

Where,

 $R_{e(t)} = return on euity$

 $\rho_{e(t)} = required return on euity$

 $B_{(t-1)}$ = opening balance book value of owners equity

To compute the yearly growth rates in the two variables, year to year growths will be calculated from which the arithmetic average of the sum is taken. As many companies have a highly volatile year to year growth, an alternative method will instead be used to reduce the effect of extreme years. The alternative method uses the total growth between the average RI and AEG of the first and last three years of the observed period. To arrive at a yearly growth total growth is then raised to the power of 1/x, where X denotes the

corresponding number of observed periods, in order to arrive at a yearly growth rate. As an example the yearly growth rate for a company, where data covering all 15 years is available, is calculated as shown in equation 3-3.

Equation 3-3

$$g_{90-05} = (1 + g_{tot})^{1/13} - 1$$

Where,

 $g_{90-05} =$ yearly growth over the period

 $g_{tot} = total growth over the period$

This computed yearly growth rate will be compared with the corresponding average required return over the period to arrive at the conclusion for which type of companies the model is more applicable on.

3.4 Part 2 – Testing the SRIV & SAEG on the Hold-out Sample

In part two of our study the two simplified models are applied on the companies and the calculated values will then be compared with observed stock prices as of the 31st of December 2006 in order to test the validity of the patterns observed in the historical analysis. The value per share will be calculated in accordance with equation 3-4 for the SRIV test and equation 3-5 for the SAEG test.

Equation 3-4

SRIV Value Per Share₃₁₋₁₂₋₂₀₀₆ =
$$B_{2006} + \frac{E[EPS_{2007}] - (B_{2006} * \rho_{2007})}{\rho_{2007} - g}$$

Equation 3-5

SAEG Value Per Share₃₁₋₁₂₋₂₀₀₆ =
$$\frac{E[EPS_{2007}]}{\rho_{2007}} + \frac{1}{\rho_{2007}} \left(\frac{E[AEG_{2008}]}{\rho_{2007} - g_{ss}}\right)$$

Where,

 $B_{2006} = closing book value per share 2006$

 $E[EPS_{2007}] = consensus forecasted earnings per share for 2007$ $E[AEG_{2008}] = Expected AEG per share for 2008$ $\rho_{2007} = required rate of return on equity 2007$ g = expected long term growth of the economy

The resulting values are compared with the observed stock prices in order to evaluate the accurateness of the models. A good result is defined as a calculated per share value that lies within a range of plus/minus 25 percent of the observed stock price. The good results are analyzed with regard to industry, size and age in order to find patterns that would explain why the model works better on certain companies and to what extent those patterns are similar to results from the analysis sample. In the paper size is measured by turnover. The reason for choosing turnover over e.g. total assets is twofold. First, as the simplified models should be relatively quick and easy to apply you want a measure that is readily available. Further, turnover as opposed to e.g. total assets is not affected by differences in accounting policies.

3.5 Calculating the cost of equity

The historical analysis of the development of RI and AEG require calculations of each of the 59 companies cost of equity for every observed year. As stated earlier, we have chosen to use CAPM. To calculate the cost of equity by using CAPM, three variables must be decided upon; the risk-free rate, the beta value and the market risk premium⁷.

The first issue is to decide which risk-free rate to apply when performing the calculations. In line with what is suggested by theory, the rate on a 10 year Swedish government bond is used in this paper. Since the companies included in the study are listed on the Stockholm Stock Exchange choosing a Swedish bond would mean that both interest rate and earnings are denoted in same currency.

⁷ CAPM is presented in further detail in a later chapter.

The second variable we need to calculate is the beta value for every company in the sample. This is done by computing the weekly return less the corresponding weekly risk free interest rate over a two year period on a particular stock and the OMX 30 index. The beta value for a particular stock is found by measuring the slope between the stock and index returns over the two year period. As beta values are needed for every year in the 15 year period, the calculation is performed for every company for the years 1990, 1998 and 2005. The beta values for the years between 1990 and 1998 are computed through a linear interpolation between the 1990 and 1998 value. The corresponding computation is made for the years between 1998 and 2005. However, in order to calculate the beta values for 1990, 1998 and 2005 historical weekly stock prices covering two years prior to each of the three years are required. Depending on the time of listing this data is not available for all 59 companies. When data is not available to compute beta, the earliest calculable beta is used for all prior years. Finally when testing the models as of the 31st of December 2006 corresponding calculations will be performed to compute applicable beta values.

The final variable needed in order to calculate each company's cost of equity is the market's risk premium. The average market risk premium in Sweden over the period from 1900 to 2000 has been found to be around 7 percent. (Brealy & Myers, 2003) On the other hand a survey among different participants on the financial market shows that the risk premium on the Swedish stock market currently is around 4,3 percent. (Öhrlings PricewaterhouseCoopers, 2007) However, this is only a static figure representable for the year 2007. As both models that will be tested in this paper discounts eternal residual incomes and abnormal earnings growths respectively we need a more forward looking risk premium. We have assumed that the risk premium will go up but still be under the historical level of 7 percent and will therefore apply 5 percent throughout the analysis.

4 Presentation of results

4.1 Historical growth in RI

As an initial indicator of how the model would work, we studied the historical growth in RI for our 59 company sample. 24 of the companies included in this study, corresponding to 40 percent, had a RI growth lower than their average required return (see table 4.1). This shows that the model could in theory work for those companies.

| Company | Industry | Δαε | Turnover | Growth In RI | Average Required Return |
|----------------------|-----------------------------|-----|----------|--------------|-------------------------|
| SWEDISH MATCH AB | Consumer Goods | 90 | 13 | 3% | 7% |
| ELECTROLUX AB | Durables | 88 | 104 | 10% | 12% |
| D. CARNEGIE & CO AB | Finance & Real Estate | 75 | 5 | -5% | 11% |
| HUFVUDSTADEN AB | Finance & Real Estate | 92 | 1 | 9% | 9% |
| INVEST AB KINNEVIK | Finance & Real Estate | 71 | 6 | -44% | 9% |
| LJUNGBERGGRUPPEN AB | Finance & Real Estate | 34 | 1 | 2% | 6% |
| LUNDBERGFORETAGEN AB | Finance & Real Estate | 63 | 22 | 7% | 9% |
| OMX AB | Finance & Real Estate | 22 | 3 | -186% | 12% |
| ORESUND INVESTMENT | Finance & Real Estate | 46 | 0 | 9% | 9% |
| RATOS AB | Finance & Real Estate | 74 | 16 | 10% | 10% |
| AB VOLVO | Industrial Goods & Services | 80 | 259 | 8% | 11% |
| ABB LTD | Industrial Goods & Services | 115 | 173 | -11% | 10% |
| NCC AB | Industrial Goods & Services | 19 | 56 | 7% | 9% |
| SAAB AB | Industrial Goods & Services | 70 | 21 | -1% | 6% |
| SCANIA AB | Industrial Goods & Services | 107 | 74 | 8% | 10% |
| SKANSKA AB | Industrial Goods & Services | 130 | 126 | 9% | 11% |
| SKF AB | Industrial Goods & Services | 100 | 53 | 8% | 13% |
| TRELLEBORG AB | Industrial Goods & Services | 102 | 27 | 6% | 12% |
| ERICSSON AB | Information Technology | 131 | 178 | 14% | 15% |
| LAWSON SOFTWARE INC | Information Technology | 32 | 3 | -310% | 6% |
| HOLMEN AB | Materials | 132 | 19 | 7% | 11% |
| STORA ENSO OYJ | Materials | 660 | 136 | 0% | 10% |
| SVENSKA CELLULOSA AB | Materials | 78 | 101 | 11% | 11% |
| TELE2 AB | Telecom | 14 | 50 | -207% | 10% |
| 24 | | 101 | 60 | | |

Table 4-1 Companies with historical yearly growth rate in RI below average required return

As demonstrated in table 4.1, the split between different industries added up to: 8 in Industrial Goods & Services (50 percent of the total of 16 companies in that industry), 8 in Finance & Real Estate (40 percent of 20 companies), 2 in Information Technology (50 percent of 4), 1 in Telecom (33 percent of 3), 3 in Materials (75 percent of 4), 1 in Durables (25 percent of 4) and 1 in Consumer Goods (50 percent of 2). There were only two industries which did not have any company where the model was applicable: Energy and Health Care.

By sorting the companies on different factors we have tried to find a pattern for which companies the model works better for than others. First we have sorted it according to turnover for 2005. The absolute turnover numbers are shown in table 4.1. The average turnover is SEK 60 bn for the compatible group, compared SEK 35 bn for the companies that do not seem to be compatible with the model. This means that the compatible sample has on average 71 percent higher turnover than the rest. When looking at age, the average of the compatible sample is 101 against 54 for the companies that are incompatible with the model.

4.2 Historical growth in AEG

Doing the same analysis for the AEG and comparing it with the average required return, 22 of the 59 companies included (37 percent) are compatible with the model. The results are presented in table 4.2.

| Company | Industry | Age | Turnover | Growth In AEG | Average Required Return |
|----------------------|-----------------------------|-----|----------|---------------|-------------------------|
| ELECTROLUX AB | Durables | 88 | 104 | -4% | 12% |
| D. CARNEGIE & CO AB | Finance & Real Estate | 75 | 5 | -10% | 11% |
| HUFVUDSTADEN AB | Finance & Real Estate | 92 | 1 | -202% | 9% |
| L. WALLENSTAM BYGGN. | Finance & Real Estate | 63 | 1 | -225% | 9% |
| LJUNGBERGGRUPPEN AB | Finance & Real Estate | 34 | 1 | -24% | 6% |
| LUNDBERGFORETAGEN AB | Finance & Real Estate | 63 | 22 | -203% | 9% |
| SKANDINAVISKA ENSK | Finance & Real Estate | 147 | 101 | 7% | 12% |
| SV. HANDELSBANKEN AB | Finance & Real Estate | 136 | 79 | 9% | 11% |
| SWEDBANK AB | Finance & Real Estate | 15 | 48 | 8% | 11% |
| GETINGE AB | Health Care | 75 | 13 | 7% | 9% |
| Q-MED AB | Health Care | 20 | 1 | 2% | 9% |
| AB VOLVO | Industrial Goods & Services | 80 | 259 | 11% | 11% |
| NCC AB | Industrial Goods & Services | 19 | 56 | 8% | 9% |
| SAAB AB | Industrial Goods & Services | 70 | 21 | -20% | 6% |
| SANDVIK AB | Industrial Goods & Services | 145 | 72 | 10% | 11% |
| SECO TOOLS AB | Industrial Goods & Services | 75 | 5 | 10% | 10% |
| SKANSKA AB | Industrial Goods & Services | 130 | 126 | 8% | 11% |
| SKF AB | Industrial Goods & Services | 100 | 53 | 6% | 13% |
| TRELLEBORG AB | Industrial Goods & Services | 102 | 27 | 6% | 12% |
| HOLMEN AB | Materials | 132 | 19 | 4% | 11% |
| SVENSKA CELLULOSA AB | Materials | 78 | 101 | 4% | 11% |
| TELIASONERA AB | Telecom | 87 | 91 | -2% | 7% |
| 22 | | 83 | 55 | | |

Table 4-2 Companies with historical yearly growth rate in AEG below average required rate of return

The 22 companies operate in the following industries: 8 in Finance & Real Estate (40 percent of 20), 8 in Industrial Goods & Services (50 percent of 16), 2 in Materials (50 percent of 4), 1 in Telecom (33 percent of 3), 1 in Durables (25 percent of 4), 1 in Information Technology (25 percent of 4) and 2 in Health Care (33 percent of 6).

When looking at the age factor, compared with RI, the results are less distinct but there is still a difference. Good companies are on average 22 percent older than bad ones; 83 years

versus 68 years. Concerning turnover, the average turnover for the companies that are compatible with the model is 41 percent over the rest of the sample with an average turnover of SEK 55 bn compared with SEK 39 bn.

4.3 Test of the models

4.3.1 Simplified Residual Income Valuation

To test the patterns found in the historical analysis we applied the SRIV on all the 59 companies as of the 31st of December 2006 and compared the calculated values with the corresponding observed stock price. The test produced 20 good values where good is defined as a calculated value that is between plus/minus 25 percent of the observed stock price. The companies with a good result are presented sorted by industry in Table 4.3⁸.

| Company | Industry | Age | Turnover | SRIV Value | Actual Price | Absolute diff. | Percentage diff. |
|---------------------|-----------------------------|-----|----------|------------|--------------|----------------|------------------|
| ELECTROLUX AB | Durables | 88 | 104 | 118 | 115 | 4 | 3% |
| HENNES & MAURITZ | Durables | 60 | 68 | 384 | 344 | 40 | 12% |
| MODERN TIMES GRP | Durables | 12 | 10 | 346 | 444 | 97 | -22% |
| D. CARNEGIE & CO AB | Finance & Real Estate | 75 | 5 | 132 | 145 | 13 | -9% |
| OMX AB | Finance & Real Estate | 22 | 3 | 136 | 125 | 11 | 9% |
| SKANDINAVISKA | Finance & Real Estate | 147 | 101 | 221 | 218 | 4 | 2% |
| SWEDBANK AB | Finance & Real Estate | 15 | 48 | 289 | 250 | 39 | 16% |
| ELEKTA AB | Health Care | 35 | 4 | 119 | 143 | 23 | -16% |
| GETINGE AB | Health Care | 75 | 13 | 182 | 158 | 24 | 15% |
| AB VOLVO | Industrial Goods & Services | 80 | 259 | 99 | 91 | 8 | 9% |
| ABB LTD | Industrial Goods & Services | 115 | 173 | 105 | 122 | 18 | -14% |
| ASSA ABLOY AB | Industrial Goods & Services | 53 | 31 | 139 | 148 | 8 | -6% |
| ATLAS COPCO AB | Industrial Goods & Services | 134 | 51 | 83 | 97 | 13 | -14% |
| HEXAGON AB | Industrial Goods & Services | 15 | 13 | 86 | 95 | 9 | -10% |
| SAAB AB | Industrial Goods & Services | 70 | 21 | 234 | 214 | 21 | 10% |
| SECURITAS AB | Industrial Goods & Services | 73 | 61 | 87 | 106 | 19 | -18% |
| SKANSKA AB | Industrial Goods & Services | 130 | 126 | 118 | 133 | 15 | -11% |
| SKF AB | Industrial Goods & Services | 100 | 53 | 138 | 119 | 19 | 16% |
| TRELLEBORG AB | Industrial Goods & Services | 102 | 27 | 148 | 163 | 15 | -9% |
| STORA ENSO OYJ | Materials | 660 | 136 | 90 | 110 | 20 | -18% |
| 20 | | 103 | 65 | | | 21 | -3% |

Table 4-3 Companies with calculated SRIV values within plus/minus 25 percent of observed stock price

Again the Industrial Goods & Services industry has most companies with good results, 10 out of 16. The remaining 10 companies are spread between the industries as follows. Four in

⁸ A complete table with all companies tested can be found in the Appendix.

Finance & Real Estate (29 percent of 14), three in Durables (75 percent of 4), two in Health Care (33 percent of 6) and one in Materials (25 percent of 4). Consequently, the industries where no good results were found are: Consumer Goods, Telecom, Energy and Information Technology. The average difference between calculated and observed share price within the group of good results is -3 percent, equal to an absolute average difference of SEK 21. Moreover, a company with a good result is on average 103 years old compared to 60 years, which is the average age of a "bad" company. Thus, a "good" company is on average 72 percent older than a "bad" one. In terms of turnover there is also a noticeable difference as a "good" company has an average turnover of SEK 65 bn which is 62 percent higher than the average turnover of a "bad" company, SEK 40 bn.

4.3.2 Simplified Abnormal Earnings Growth Valuation

Conducting the same test with the SAEG model generated 12 companies with good results with an average difference between calculated and actual prize of 5 percent and an absolute average difference of SEK 21. Table 4.4 summarizes the results of the AEG test.

| Company | Industry | Age | Turnover | SAEG Value | Actual Price | Absolute diff. | Percentage diff. |
|---------------------|-----------------------------|-----|----------|------------|--------------|----------------|------------------|
| SWEDISH MATCH AB | Consumer Goods | 90 | 13 | 114 | 127 | 13 | -10% |
| AUTOLIV, INC. | Durables | 51 | 44 | 388 | 417 | 29 | -7% |
| HENNES & MAURITZ | Durables | 60 | 68 | 297 | 344 | 47 | -14% |
| D. CARNEGIE & CO AB | Finance & Real Estate | 75 | 5 | 161 | 145 | 16 | 11% |
| ASTRAZENECA PLC | Health Care | 94 | 196 | 393 | 370 | 23 | 6% |
| AB VOLVO | Industrial Goods & Services | 80 | 259 | 80 | 91 | 10 | -11% |
| NCC AB | Industrial Goods & Services | 19 | 56 | 161 | 188 | 27 | -14% |
| SECO TOOLS AB | Industrial Goods & Services | 75 | 5 | 124 | 109 | 15 | 14% |
| HOLMEN AB | Materials | 132 | 19 | 251 | 303 | 52 | -17% |
| STORA ENSO OYJ | Materials | 660 | 136 | 115 | 110 | 5 | 4% |
| SVENSKA CELLULOSA | Materials | 78 | 101 | 111 | 120 | 9 | -8% |
| TELIASONERA AB | Telecom | 87 | 91 | 47 | 57 | 11 | -19% |
| 12 | | 125 | 83 | | | 21 | -5% |

Table 4-4 Companies with calculated SAEG values within plus/minus 25 percent of observed stock price

The test of the SAEG did not generate any distinct pattern regarding the industry belongings of the "good" companies as these were quite evenly spread among the industries. Three were found in the Industrial Goods & Services sector (19 percent of 16), three in Materials (75 percent of 4), two in Durables (50 percent of 4) and one each in Consumer Goods (50 percent of 2), Health Care (17 percent of 6), Telecom (33 percent of 3) and Finance & Real Estate (7 percent of 14). Two industries did not have any companies with good results; Information Technology and Energy. However, similar patterns where found regarding age and turnover in the SAEG test as in the SRIV test. The average company with a good result in the SAEG test is 125 years old, meaning that it is 102 percent older than the average "bad" company. In terms of turnover the difference is 106 percent, 83 compared with SEK 40 bn in turnover.

5 Analysis

5.1 Step 1 – Analysis Sample

Our first hypothesis stated that the models will in general not produce good approximations of company values. When analyzing the analytical sample we could also see that a majority of our companies exhibited historical growth rates in RI and AEG that was above their average required rate of return over the same period. This was an indication that the models were not applicable on a majority of the companies. However, our first hypothesis might have been too boldly stated. The historical analysis still shows a significant number of companies that are possibly compatible with SRIV and SAEG. 40 percent of the companies in the RI test are possibly compatible whilst 41 percent with AEG. After doing only the first step of the study we can of course only observe possible compatible companies and not actual compatibility, but it is still interesting to see what characteristics these companies possesses.

This takes us to our second hypothesis which stated that companies that are compatible with the SRIV and SAEG should show characteristics that indicate that they are in, or closer to, steady state than other companies. Our results from the first part of our study at least partially confirm our second hypothesis. The companies for which the model works for are substantially older than for those that it does not work for. In the RI analysis, the percentage difference in age between the good and the bad companies is 87 percent. For AEG the corresponding number is 23 percent. These numbers indicate that age is a possible determining factor as for which companies we can apply the models on.

When looking at turnover, we see less clear results for RI whilst AEG show more distinct results. For AEG, the "good" companies are on average 40 percent larger than the "bad" firms whilst the percentage difference for RI is 23 percent. This could have several reasons. Firstly, it might be that turnover is not a good determinant of if companies are reaching steady state. The turnover of a company could depend on many different factors, including the size of the industry, the trend of consolidation in the industry among others. A company that have a small niche where it operates can be small but yet be in, or close to, steady state

whilst a company that is large but operates in a growing industry can show significant growth. This leads us to say that size might not be as important as age when determining if a company is closer to steady state than others.

Another way of approaching how to find companies that are closer to steady state is to see what industry they operates in. An industry that is reduced to growing with the economy should give more companies closer to steady state than growth industries. If this is true industry should be a variable when finding compatible companies. When studying industry belongings of the good companies it is evident that two industry categories dominate. The results for these two industries are identical in the historical analysis of both RI and AEG with eight companies from each industry per model. 16 companies made up the total sample of industrial firms meaning that the model was applicable on 50 percent of the sample; the corresponding percentage for the 20 companies within finance & real estate is 40. These two industries made up two thirds of the companies in the AEG analysis. The rest of our sample is quite widely spread among several different industries. These industries and their companies have to be more individually examined to see if they show traits that would indicate that they are in, or close to, a steady state.

This first step of our study was made to give us an indication of for what company characteristics to look for when using the model in practice. From our analysis sample we could see that older companies from two more mature industries – Industrial Goods & Services and Financial & Real Estate show a significant hit rate. A difference, although less significant, was also observed regarding size as both the RI and AEG analysis show that compatible companies on average are larger than incompatible ones. However, the first analysis is based on historical data and is only meant to generate indications on which types of companies the models are more compatible with. In order to possibly confirm the patterns observed so far we will now analyze the results from the tests of the models.

5.2 Step 2 – Holdout Sample

In step 2, as described in previous sections, we tested the models by applying them as of the 31^{st} of December 2006. If the patterns observed in the historical analysis were to be verified 31 | P a g e by the tests, plausible conclusions can be drawn as to what types of companies the models are applicable on.

Regarding industry belonging as an explanatory variable for applicability different degree of confirmation was generated by the two tests. The SAEG test generated only a limited number of companies with good results, 12, which were rather evenly spread between the different industries. Thus, the SAEG test did not provide any confirmation regarding industry belonging. The contrary is true for SRIV, where 20 companies showed good results, as the results from the test are consistent with the observations from the historical analysis. Here, Industrial Goods & Services is even more dominant with 10 companies out of 16 tested. On the other hand, it is worth noting that only four companies from the Finance & Real Estate were found to have good results. This might however only be due to lack of earnings forecasts and not incompatibility with the models. Even so, we cannot know whether or not the SAEG/SRIV would have worked for them.

Moving to the patterns regarding age and size these are confirmed by both the SAEG and SRIV test. A company with a good result in the SAEG test is on average 102 percent older than a company with a bad result, 125 compared to 62 years. Regarding size the difference is even greater with an average turnover for a "good" company of SEK 83 bn compared to SEK 40 bn for a "bad" company, equivalent to a 106 percentage difference. Testing the SRIV, it is striking how close to the analysis sample we get. The average age among the companies with good results is 103 years versus 60 years among those with bad results. This corresponds to a percentage of 72 percent or an absolute difference of 43 years, which is close to the same as within the analysis sample (47 years or 87 percent). Regarding size, they are also very similar; 63 percent or SEK 25 bn higher in turnover in the actual test compared with 71 percent or SEK 25 bn in the analysis sample. Already here we can see that it is possible to see clear similarities between the analysis sample and the actual model test. Companies for which the model works are both quite larger and older than for those that it does not work for.

When studying the results from the analysis sample to those from the holdout sample one can conclude that industry belonging does not have great explanatory value as to which companies the SAEG is more applicable on whilst the pattern is confirmed or even enforced by SRIV. On the other hand, the age and growth patterns indicated by the historical analysis were confirmed by the test of both models which tells us that age and turnover works cross the models.

What characteristics do old, large and, in the case of SRIV, industrial companies posses that make them more compatible with the models?

In general, sectors within the Industrial Goods & Services industry are characterized by heavy competition and maturity. Both these factors depress a company's possibility to earn returns on equity that are above the required rate. Possibilities to earn returns greater than the required rate attract competition in the form of companies seeking to take advantage of this possibility. Without high entry barriers, e.g. regulation and monopoly, these possibilities will diminish as the industry matures. This process has gone rather far in the industrial sector. The possibilities to earn returns greater than the required rate are therefore in general slim for companies within Industrial Goods & Services. Consequently, the SRIV and SAEG should be more applicable on these companies.

Moving to age as an explanatory variable the observations are not surprising since both a company's possibility to earn returns greater than the required rate and grow at a pace greater than the economy as a whole diminishes over time. When analyzing a company one studied parameter is where the company is positioned in terms of lifecycle. When doing this one talks about different stages of the lifecycle of the company. An old company is in general closer to what is referred to as the maturity and decline stage which, in line with mean reversion theory, are characterized by declining growth rate and returns closer to the required rate. Consequently, the models should work better on old companies which both our historical analysis tests of the models confirm. Regarding size, here measured as turnover, it might be too bold to say that this variable alone affects a company's ability to earn returns greater than the required rate. However, size is important in understanding a company's growth pattern. A successful start up company might be able to double its turnover in a year. For a large company, doubling the turnover in just one year is close to

impossible. The larger the company the likelier it is that is growth rate is close to the GDP growth rate.

A number of possible explanations were discussed above as to why old and large companies within Industrial Goods & Services would grow at a pace closer to that of the economy and earn returns similar to the required level. But what underlying economic characteristics do age, size and belonging to a mature industry bring? As we established above the companies with good result should have slim opportunities to grow faster than the economy and earn returns above the required rate. If this is true one would expect these companies to have greater difficulty finding investment opportunities with above zero net present value. In line with theory (Dechow, Hutton, & Sloan, 1999) this would in turn imply that one would expect them to have relatively high payout ratios. However, this is only partially confirmed by the companies in our sample. The average payout ratio over the last three years was for industrial companies with good results in the SRIV test 50 percent compared to 37 for companies with bad results; corresponding numbers for the SAEG test is 58 vs. 40. Thus, a difference is evident but not as great as one might have expected.

Another characteristic that one would expect to find in companies that are more compatible with the models is a level of return on equity that is relatively closer to the required rate. This is confirmed when studying the average difference, measured over the last four years, between ROE and the cost of equity in the companies in our sample. The companies with good results in the SRIV test or SAEG test have earned returns closer to the required rate than the companies with bad results.

5.3 Companies outside the pattern

Within our group of companies with good results in the holdout sample there are 12 companies that have calculated values within plus/minus 25 percent of observed stock price either in the SAEG or the SRIV test but does not fit the observed pattern regarding industry

belonging⁹, age and size. However, many of these share many characteristics with the companies within the pattern.

In order to categorize these twelve companies we grouped them according to size and age dependent on if they were over or close to the average in the two categories. Generally speaking they could be put into three categories; old and large (7 companies), old (3 companies), and small and young (2 companies). None of the twelve companies could be clearly categorized as large but young. These results confirm what we have seen earlier in the analysis of the companies that fit entirely into the pattern; age is the most important factor when trying to see if the model would be applicable. Size and age are dominant here, but, as we have discussed earlier in the analysis, size alone may not be a good indicator of if a company is close to or in steady state.

When looking at the industries that these companies belong to, they are generally characterized by high competition and as quite mature. As an example we can use Stora Enso, which is classified as Materials. Stora Enso shares all the characteristics with the larger group of industrials. It is one of the world's oldest companies, it is clearly over average in size and the Material industry is, as an industry, quite mature. Even though changes in the supply and demand of the basic products appear, the overall characteristics of the industry, in the case of Stora Enso pulp and paper, is not really what characterizes a growth industry. The paper and pulp products are also to a large extent characterized by being commodities. Companies that sell commodities are often so called price takers implying that the industry is characterized by heavy competition. As discussed above, heavy competition together with slim diversification possibilities depresses both the possibility to earn returns above required rate and grow faster than the economy.

We have only two companies in the "small and young" category; MTG and Elekta. They are more difficult to explain. They operate in industries where there are still a considerable growth and change. They are small and young compared to the entire sample. As they share

⁹ With the pattern for industry belonging defined as either Industrial Goods & Services or Finance & Real Estate 35 | P a g e

no common characteristics with any of the other companies with good results we assume that these two results are due to random factors.

5.4 Cross-Model Analysis

We have found that SRIV gives us more positive results than SAEG for the applicability of the simplified models. This is somewhat contradictory with theory. For the RIV model to work we have to assume clean surplus accounting. As clean surplus accounting is often violated by translation adjustments and other equity affecting items not flowing through the income statement, it would be reasonable to assume that the SRIV would generate less convincing results. SAEG on the other hand is not dependent on clean surplus accounting, and should thus give more accurate results. As we have stated earlier we are assuming that semi-strong market efficiency holds and thus that the market prices should reflect available information. So why does SAEG provide less strong results?

One possible reason could concern what the respective model actually measures. As stated by theory, for example Penman (2007), under the assumption that the clean surplus holds a restatement of the AEG model shows that the AEG in a particular period is equal to the change in RI between that and the prior period. Even when the clean surplus relation is violated AEG will probably be a fair approximation of the change in RI. When reflecting upon this fact more thoroughly one can identify a possible reason as to why our test of the SAEG generates less good results than the SRIV test. As one applies the SRIV one implicitly assumes constant growth in RI. That is, one assumes that RI will grow at a constant rate in every period in perpetuity. In contrast, applying the SAEG means implicitly assuming that the change in RI will grow at constant rate in perpetuity. Moreover, SAEG is more sensitive to earnings forecasts since the value generated by the model is only affected by EPS and DPS forecasts, disregarding required rate of return and long term growth as these variables are identical in both models. The value generated by the SRIV on the other hand is to a large extent attributable to the book value of equity. In our test this proportion on average amounts to 69 percent of the total value. Thus, our results imply that, in contrast what has been stated in previous research (Ohlson, 2005), book value per share in general better approximates market price than capitalized forecasted earnings per share. However, if the earnings forecasts for 2007 to some degree were affected by irrationality this would have explanatory value as to why our SAEG test generated less successful results. So, was 2006 in any way a "special" year? The most noticeable aspect of last year is that many of the world's economies were at a peak. Optimism about future prospects pervaded in many sectors including the financial industry which inhabits the analysts who produce earnings forecasts. Thus, earnings forecasts for 2007 may have been influenced by over optimism which would indicate that the values generated by our tests are based on relatively high EPS figures. Naturally, an EPS forecast during times of economic peak do not represent a level sustainable in the long run. The models assume that RI and AEG (i.e. change in RI) respectively will grow at a constant rate. As both RI and AEG is affected by EPS forecasts starting with an unsustainably high level will have a negative impact on our results. However, for reasons discussed above a SAEG generated value will be more affected than one generated by the SRIV.

In line with the reasoning above the SAEG test should in general generate higher equity values than the SRIV test but this is not confirmed by our results. In contrast, our result show that SAEG values on average are 45 percent lower than observed stock price while SRIV values on average only are 7 percent lower than actual price. There must be an effect present that works in the opposite direction from the effect of optimistic EPS forecasts. If the majority of the companies in our sample has not yet reached steady state they will be consequently under or overvalued depending on what the near future holds for the particular company. A company that is expected to grow at a rate below the long term growth rate of the economy during the years that would constitute the explicit forecast period in the complete valuation models will be overvalued by the simplified models. The converse is true for a company that is expected to experience growth above the long term rate of the economy. It is reasonable to assume that the latter case is more common. Hence, the majority of the companies in our sample will be undervalued by the simplified models. If the under valuing effect would have greater impact on SAEG values than on SRIV values we might have an explanation for our results. In line with previous reasoning SAEG values are more sensitive to assumptions about earnings. This would imply that under

valuing effect from assuming steady state will be greater on SAEG values than on SRIV values.

We now have two effects that affect calculated values in opposite directions. First, the optimistic EPS forecasts for 2007 over values the companies while the steady state assumption generally will have a negative effect on value. In addition, it is probable that both effects will have greater implications for SAEG than for SRIV. Our results imply that the effect of assuming steady state is larger than the EPS effect since the SAEG generated values on average is significantly lower than those calculated with the SRIV.

5.5 Sensitivity Analysis

As discussed previously the only two variables that we have made assumptions about when testing the SRIV and SAEG is long term growth and risk premium. The choice of appropriate levels of these has been made based on both theory and previous research. However, these variables are unobservable and there is no method available to estimate them with absolute certainty. Therefore, our results have been tested with regard to their sensitivity to long term growth rate and risk premium. Each variable has been varied +/- one percent compared to their original level. Complete tables of the results from the sensitivity analysis can be found in the Appendix. What is evident is that our results regarding how many good results the models generate and their industry belonging, average age and average size do not vary to any significant extent when applying different long term growth rates and levels of risk premium. Thus, the sensitivity of our results is limited to minor changes which do not affect the analysis of our results.

6 Validity and Reliability

6.1 Validity

As mentioned already in the introduction, research on these simplified models is an unexplored territory. Validity deals with if what we wanted to measure actually been measured (Strömquist, 2003). We have constructed an analysis sample and tried to draw conclusions on characteristics that would be applicable in real life as well as a holdout sample on which the models were tested. Following that, a large part of our paper have been spent recognizing and analyzing patterns seen in our tests. As our analysis is devoted to that we would like to recognize some aspects that limit the validity of our thesis.

Firstly, as this is the first paper written about these simplified models, we have had no previous research to compare our results with. Also, ideally, we would have wanted to examine a larger sample of as many companies as possible. Our sample is representative to large, Swedish companies. But as our results are limited to 59 large companies in Sweden, we cannot claim that our results are universal for all companies with the characteristics we have found should work for our sample. With only 59 companies it is also difficult to draw conclusions on several of the industries that had too few companies in the sample so our thesis is limited to draw conclusions on industries with a larger number of participating companies.

6.2 Reliability

If a validity test tells us whether we have actual measured what we wanted to measure, reliability tells us whether our results are reliable and if they could be repeated (Strömquist, 2003). There are several items that affect the reliability of our paper. Firstly, we might have done errors or simply forgot certain aspects that we are not aware of. We have of course done our best to control our calculations and models and hope that we have minimized the effect on reliability from that perspective. Further, in our tests we have made assumptions for the risk premium and growth which have been tested in our sensitivity analysis. We have also assumed that CAPM is the best available tool for calculating the required rate of return.

However, all our assumptions are what might be called standard valuation assumptions and follow what has been said in the literature and in practice within the financial sector.

Further, even though the data in our analysis sample covers up to 15 years, we only tested the models on the holdout sample at one point in time. Testing the models at several points in time and on different samples would increase the reliability of our study. The point in time we have chosen to test our holdout sample on is the 31st of December 2006. The date chosen will have an impact on the results. During a recession, earnings forecasts are generally more negative and the overall state of the economy is bad. On the other hand, in a boom, profits and forecasts are up and the outlook of companies is generally good. The year of 2006 was one of the strongest for a long time and was characterized by a great deal of optimism. By the end of 2006, the Stockholm Stock Exchange had nearly recovered from the IT boom¹⁰. Growth in GDP¹¹ was high and the economy was in general viewed as strong. It is therefore important to remember that our calculations are made in a boom. When thinking of future research, it would be useful to test the models not only on a larger sample but also on several time periods in different stages of the economy. This would provide us with an answer on if the results would be stable over time or not. In addition, no statistical testing of the results in this paper has been carried out. We therefore cannot say if our results are statistically significant or not. However, the patterns observed are in line with previous research and theory. We therefore believe that the general pattern holds true but future research should perform statistical testing in order to verify the results.

Finally, the stock exchange is volatile. In theory, every change in share price should be motivated by a change in expectations, which in turn should reflect the earnings forecasts and the models. In practice, this correlation might not be perfect and then a change in share price might move companies outside the good/bad results limit. This effect would also be reduced if we would have done tests for several points in time.

¹⁰ Based on the Stockholm All share index which can be found, for example, on http://www.di.se
¹¹ From Statistics Sweden. Statistics Sweden is a central government authority for official statistics. http://www.scb.se/NR

7 Conclusions and further research

The primary purpose of this paper was to test the usefulness of two simplified accounting based valuation models; Simplified Residual Income Valuation and Simplified Abnormal Earnings Growth. Since both models are simplified we expected, as stated in our first hypothesis, that they in general would not be applicable. However, our results show that the SRIV and the SAEG are applicable on more companies than expected; 20 companies in SRIV and 12 in SAEG where applicable on the models. Applicable was defined as companies with a calculated value of +/- 25 percent from the market share price. This can be compared with a study by Liu, Nissim and Thomas (2007) where they defined their results as "remarkably well" when they had almost 50 percent of their sample within +/- 20 percent of the observed prices. (Liu, Nissim, & Thomas, 2007). To be a first test of the two simplified models, close to 40 percent of the companies in the SRIV and close to 25 percent in the SAEG is a result that cannot be neglected.

From the historical analysis we found that old companies generally fit better for the models than younger ones. If companies also are large and from mature industries the results are even stronger. If one would, instead of comparing companies with good results to the entire sample, compare the number of companies with good results within the general pattern of old companies in mature industries with total number of old companies in mature industries the percentage would be close to 50 percent.

SRIV seems to be more applicable than SAEG as it is anchored on the book value of equity which, with only a terminal value, gives the valuation a less volatile base. SRIV should be applied on companies with the characteristics discussed above. This will give a reasonable approximation of the company value. However, it is not sufficient in order to make a well-founded investment decision but more as a quick and dirty valuation to estimate a firm's value. Other valuation methods should complement SRIV.

As this is the first test as we know of simplified accounting based valuation models, future research need to test the models on larger samples and at different points in time. Further, the points in time should be chosen with regard to the state of the economy, i.e. boom,

recession and "normal" to see if the trends we have seen will be confirmed. Tests on different markets should also be helpful in testing the models.

We hope that the relative success of these first tests have created an interest for further research on the applicability of simplified accounting based models.

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9 Appendices

9.1 Sample of Companies

Table 9-1 All companies in the initial sample

| Company | | | | |
|---------------------|----------------------|----------------------|----------------------|---|
| AB VOLVO | HENNES & MAURITZ AB | MEDA AB | SECO TOOLS AB | _ |
| ABB LTD | HEXAGON AB | MELKER SCHORLING | SECURITAS AB | |
| ALFA LAVAL AB | HOLMEN AB | MILLICOM CELL. | SKANDINAVISKA ENSK | |
| ASSA ABLOY AB | HUFVUDSTADEN AB | MODERN TIMES GRP MTG | SKANSKA AB | |
| ASTRAZENECA PLC | HUSQVARNA | NCC AB | SKF AB | |
| ATLAS COPCO AB | INDUSTRIVARDEN AB | NIBE INDUSTRIER AB | SSAB SVENSKT STAL AB | |
| AUTOLIV, INC. | INVEST AB KINNEVIK | NOBEL BIOCARE HLDG | STORA ENSO OYJ | |
| AXFOOD AB | INVESTMENT AB LATOUR | NOBIA AB | SV. HANDELSBANKEN AB | |
| AXIS AB | INVESTOR AB | NORDEA BANK | SWEDBANK AB | |
| BOLIDEN AB | JM AB | OMX AB | SWEDISH MATCH AB | |
| CASTELLUM AB | KAUPTHING BANK | ORESUND INVESTMENT | SVENSKA CELLULOSA AB | |
| D. CARNEGIE & CO AB | KUNGSLEDEN AB | ORIFLAME | TELE2 AB | |
| ELECTROLUX AB | L. WALLENSTAM BYGGN. | PEAB AB | TELIASONERA AB | |
| ELEKTA AB | LAWSON SOFTWARE INC | Q-MED AB | TIETOENATOR OYJ | |
| ENIRO AB | LINDAB INTER | RATOS AB | TRELLEBORG AB | |
| ERICSSON AB | LJUNGBERGGRUPPEN AB | SAAB AB | VOSTOK GAS LTD | |
| FABEGE AB | LUNDBERGFORETAGEN AB | SANDVIK AB | | |
| GETINGE AB | LUNDIN MINING CORP | SAS AB | | |
| HAKON INVEST | LUNDIN PETROLEUM AB | SCANIA AB | | |
| | | | | |

Table 9-2 Companies excluded from the analysis sample due to insufficient available data

| Company | | |
|---------------|---------------------|------------------|
| ALFA LAVAL AB | HUSQVARNA | MELKER SCHÖRLING |
| AXIS AB | KAUPTHING BANK | NOBIA AB |
| BOLIDEN AB | LINDAB INTER | ORIFLAME |
| ENIRO AB | LUNDIN MINING CORP. | SAS AB |
| HAKON INVEST | LUNDIN PETROLEUM AB | |
| | | 13 |

Table 9-3 Companies excluded from the holdout sample due to lack of earnings forecasts

| Company | | |
|----------------------|--------------------|---|
| INDUSTRIVARDEN AB | ORESUND INVESTMENT | |
| INVEST AB KINNEVIK | RATOS AB | |
| INVESTMENT AB LATOUR | VOSTOK GAS LTD | |
| LUNDBERGFORETAGEN AB | | |
| | | 7 |

9.2 Results for the Entire Sample

Table 9-4 Historical yearly growth in RI for all companies in the analysis sample

| Company | Industry | Age | Turnover | Growth In RI | Average Required Return |
|----------------------|-----------------------------|-----|----------|--------------|-------------------------|
| AXFOOD AB | Consumer Goods | 44 | 29 | 34% | 4% |
| SWEDISH MATCH AB | Consumer Goods | 90 | 13 | 3% | 7% |
| AUTOLIV, INC. | Durables | 51 | 44 | 31% | 8% |
| ELECTROLUX AB | Durables | 88 | 104 | 10% | 12% |
| HENNES & MAURITZ AB | Durables | 60 | 68 | 30% | 10% |
| MODERN TIMES GRP MTG | Durables | 12 | 10 | 14% | 12% |
| VOSTOK GAS LTD | Energy | 11 | 1 | 36% | 7% |
| CASTELLUM AB | Finance & Real Estate | 14 | 2 | 19% | 5% |
| D. CARNEGIE & CO AB | Finance & Real Estate | 75 | 5 | -5% | 11% |
| FABEGE AB | Finance & Real Estate | 83 | 2 | 21% | 9% |
| HUFVUDSTADEN AB | Finance & Real Estate | 92 | 1 | 9% | 9% |
| INDUSTRIVARDEN AB | Finance & Real Estate | 63 | 12 | 20% | 11% |
| INVEST AB KINNEVIK | Finance & Real Estate | 71 | 6 | -44% | 9% |
| INVESTMENT AB LATOUR | Finance & Real Estate | 23 | 5 | 26% | 10% |
| INVESTOR AB | Finance & Real Estate | 91 | 32 | 23% | 13% |
| JM AB | Finance & Real Estate | 62 | 12 | 37% | 9% |
| KUNGSLEDEN AB | Finance & Real Estate | 10 | 3 | 32% | 7% |
| L. WALLENSTAM BYGGN. | Finance & Real Estate | 63 | 1 | 31% | 9% |
| LJUNGBERGGRUPPEN AB | Finance & Real Estate | 34 | 1 | 2% | 6% |
| LUNDBERGFORETAGEN AB | Finance & Real Estate | 63 | 22 | 7% | 9% |
| NORDEA BANK | Finance & Real Estate | 33 | 126 | 15% | 9% |
| OMX AB | Finance & Real Estate | 22 | 3 | -186% | 12% |
| ORESUND INVESTMENT | Finance & Real Estate | 46 | 0 | 9% | 9% |
| RATOS AB | Finance & Real Estate | 74 | 16 | 10% | 10% |
| SKANDINAVISKA ENSK | Finance & Real Estate | 147 | 101 | 31% | 12% |
| SV. HANDELSBANKEN AB | Finance & Real Estate | 136 | 79 | 19% | 11% |
| SWEDBANK AB | Finance & Real Estate | 15 | 48 | 13% | 11% |
| ASTRAZENECA PLC | Health Care | 94 | 196 | 16% | 10% |
| ELEKTA AB | Health Care | 35 | 4 | 23% | 8% |
| GETINGE AB | Health Care | 75 | 13 | 16% | 9% |
| MEDA AB | Health Care | 16 | 5 | 17% | 8% |
| NOBEL BIOCARE HLDG | Health Care | 26 | 1 | 39% | 10% |
| Q-MED AB | Health Care | 20 | 1 | 80% | 9% |
| AB VOLVO | Industrial Goods & Services | 80 | 259 | 8% | 11% |
| ABB LTD | Industrial Goods & Services | 115 | 173 | -11% | 10% |
| ASSA ABLOY AB | Industrial Goods & Services | 53 | 31 | 28% | 9% |
| ATLAS COPCO AB | Industrial Goods & Services | 134 | 51 | 17% | 12% |
| HEXAGON AB | Industrial Goods & Services | 15 | 13 | 23% | 9% |
| NCC AB | Industrial Goods & Services | 19 | 56 | 7% | 9% |
| NIBE INDUSTRIER AB | Industrial Goods & Services | 58 | 5 | 30% | 7% |
| PEAB AB | Industrial Goods & Services | 48 | 30 | 38% | 10% |
| SAAB AB | Industrial Goods & Services | 70 | 21 | -1% | 6% |
| SANDVIK AB | Industrial Goods & Services | 145 | 72 | 31% | 11% |
| SCANIA AB | Industrial Goods & Services | 107 | 74 | 8% | 10% |
| SECO TOOLS AB | Industrial Goods & Services | 75 | 5 | 23% | 10% |
| SECURITAS AB | Industrial Goods & Services | 73 | 61 | 18% | 11% |
| SKANSKA AB | Industrial Goods & Services | 130 | 126 | 9% | 11% |
| SKF AB | Industrial Goods & Services | 100 | 53 | 8% | 13% |
| TRELLEBORG AB | Industrial Goods & Services | 102 | 27 | 6% | 12% |
| ERICSSON AB | Information Technology | 131 | 178 | 14% | 15% |
| LAWSON SOFTWARE INC | Information Technology | 32 | 3 | -310% | 6% |
| TIETOENATOR OYJ | Information Technology | 8 | 15 | 43% | 11% |
| HOLMEN AB | Materials | 132 | 19 | 7% | 11% |
| SSAB SVENSKT STAL AB | Materials | 29 | 31 | 12% | 11% |
| STORA ENSO OYJ | Materials | 660 | 136 | 0% | 10% |
| SVENSKA CELLULOSA AB | Materials | 78 | 101 | 11% | 11% |
| MILLICOM CELL. | Telecom | 17 | 12 | 24% | 13% |
| TELE2 AB | Telecom | 14 | 50 | -207% | 10% |
| TELIASONERA AB | Telecom | 87 | 91 | 14% | 7% |
| 59 | | 74 | 45 | • | |

| Table 9-5 Historical | yearly growth in | AEG for all companies | s included in the anal | ysis sample |
|----------------------|------------------|-----------------------|------------------------|-------------|
|----------------------|------------------|-----------------------|------------------------|-------------|

| Company | Industry | Age | Turnover | Growth In AEG | Average Required Return |
|----------------------|-----------------------------|----------|----------|---------------|-------------------------|
| AXFOOD AB | Consumer Goods | 44 | 29 | 23% | 4% |
| SWEDISH MATCH AB | Consumer Goods | 90 | 13 | 20% | 7% |
| AUTOLIV, INC. | Durables | 51 | 44 | 16% | 8% |
| ELECTROLUX AB | Durables | 88 | 104 | -4% | 12% |
| HENNES & MAURITZ AB | Durables | 60 | 68 | 14% | 10% |
| MODERN TIMES GRP MTG | Durables | 12 | 10 | 56% | 12% |
| VOSTOK GAS LTD | Energy | 11 | 1 | 201% | 7% |
| CASTELLUM AB | Finance & Real Estate | 14 | 2 | 9% | 5% |
| D. CARNEGIE & CO AB | Finance & Real Estate | 75 | 5 | -10% | 11% |
| FABEGE AB | Finance & Real Estate | 83 | 2 | 16% | 9% |
| HUFVUDSTADEN AB | Finance & Real Estate | 92 | 1 | -202% | 9% |
| INDUSTRIVARDEN AB | Finance & Real Estate | 63 | 12 | 27% | 11% |
| INVEST AB KINNEVIK | Finance & Real Estate | 71 | | 58% | 9% |
| INVESTMENT AB LATOUR | Finance & Real Estate | 23 | 5 | 15% | 10% |
| INVESTOR AB | Finance & Real Estate | 91 | 32 | 25% | 13% |
| IM AB | Finance & Real Estate | 62 | 12 | 23% | 9% |
| | Finance & Real Estate | 10 | 3 | 19% | 7% |
| | Finance & Real Estate | 63 | 1 | _225% | 9% |
| | Finance & Real Estate | 34 | 1 | -22570 | 6% |
| | Finance & Real Estate | 54 62 | 1 | -24% | 0% |
| | Finance & Real Estate | 20 | 126 | -205% | 9% |
| | Finance & Real Estate | 33 | 120 | 45% | 9% |
| | Finance & Real Estate | 22 | 3 | 18% | 12% |
| ORESUND INVESTMENT | Finance & Real Estate | 46 | 0 | 10% | 9% |
| | Finance & Real Estate | /4 | 16 | 13% | 10% |
| SKANDINAVISKA ENSK | Finance & Real Estate | 147 | 101 | /% | 12% |
| SV. HANDELSBANKEN AB | Finance & Real Estate | 136 | 79 | 9% | 11% |
| SWEDBANK AB | Finance & Real Estate | 15 | 48 | 8% | 11% |
| ASTRAZENECA PLC | Health Care | 94 | 196 | 92% | 10% |
| ELEKTA AB | Health Care | 35 | 4 | 12% | 8% |
| GETINGE AB | Health Care | 75 | 13 | 7% | 9% |
| MEDA AB | Health Care | 16 | 5 | 19% | 8% |
| NOBEL BIOCARE HLDG | Health Care | 26 | 1 | 21% | 10% |
| Q-MED AB | Health Care | 20 | 1 | 2% | 9% |
| AB VOLVO | Industrial Goods & Services | 80 | 259 | 11% | 11% |
| ABB LTD | Industrial Goods & Services | 115 | 173 | 25% | 10% |
| ASSA ABLOY AB | Industrial Goods & Services | 53 | 31 | 19% | 9% |
| ATLAS COPCO AB | Industrial Goods & Services | 134 | 51 | 19% | 12% |
| HEXAGON AB | Industrial Goods & Services | 15 | 13 | 32% | 9% |
| NCC AB | Industrial Goods & Services | 19 | 56 | 8% | 9% |
| NIBE INDUSTRIER AB | Industrial Goods & Services | 58 | 5 | 8% | 7% |
| PEAB AB | Industrial Goods & Services | 48 | 30 | 15% | 10% |
| SAAB AB | Industrial Goods & Services | 70 | 21 | -20% | 6% |
| SANDVIK AB | Industrial Goods & Services | 145 | 72 | 10% | 11% |
| SCANIA AB | Industrial Goods & Services | 107 | 74 | 16% | 10% |
| SECO TOOLS AB | Industrial Goods & Services | 75 | 5 | 10% | 10% |
| SECURITAS AB | Industrial Goods & Services | 73 | 61 | 20% | 11% |
| SKANSKA AB | Industrial Goods & Services | 130 | 126 | 8% | 11% |
| SKF AB | Industrial Goods & Services | 100 | 53 | 6% | 13% |
| TRELLEBORG AB | Industrial Goods & Services | 102 | 27 | 6% | 12% |
| ERICSSON AB | Information Technology | 131 | 178 | 25% | 15% |
| LAWSON SOFTWARE INC | Information Technology | 32 | 3 | 36% | 6% |
| TIETOENATOR OYI | Information Technology | 8 | 15 | 21% | 11% |
| HOI MEN AB | Materials | 132 | 19 | 4% | 11% |
| SSAB SVENSKT STAL AR | Materials | 29 | 31 | 13% | 11% |
| STORA ENSO OVI | Materials | 660 | 136 | 14% | 10% |
| | Materials | 78 | 101 | 14/0 | 11% |
| | Telecom | 17 | 17 | 470 120% | 120/ |
| TELEO AR | Telecom | 1/ | 50 | 36% | 10% |
| | Telecom | 14 07 | D1 | | 10% |
| | TEIECUIII | 0/ | 91 AF | -2% | 170 |
| 59 | | /4 | 45 | | |

| Table 9-6 SRIV calculated values of all companies | es included in the holdout sample |
|---|-----------------------------------|
|---|-----------------------------------|

| Company | Industry | Age | Turnover | SRIV Value | Actual Price | Absolute diff. | Percentage diff. |
|----------------------|-----------------------------|-----|----------|------------|--------------|----------------|------------------|
| AXFOOD AB | Consumer Goods | 44 | 29 | 402 | 276 | 127 | 46% |
| SWEDISH MATCH AB | Consumer Goods | 90 | 13 | 315 | 127 | 188 | 149% |
| AUTOLIV, INC. | Durables | 51 | 44 | 685 | 417 | 268 | 64% |
| ELECTROLUX AB | Durables | 88 | 104 | 118 | 115 | 4 | 3% |
| HENNES & MAURITZ AB | Durables | 60 | 68 | 384 | 344 | 40 | 12% |
| MODERN TIMES GRP MTG | Durables | 12 | 10 | 346 | 444 | 97 | -22% |
| CASTELLUM AB | Finance & Real Estate | 14 | 2 | 55 | 93 | 38 | -41% |
| D. CARNEGIE & CO AB | Finance & Real Estate | 75 | 5 | 132 | 145 | 13 | -9% |
| FABEGE AB | Finance & Real Estate | 83 | 2 | 16 | 88 | 72 | -81% |
| HUFVUDSTADEN AB | Finance & Real Estate | 92 | 1 | 4 | 77 | 73 | -95% |
| INVESTOR AB | Finance & Real Estate | 91 | 32 | 120 | 165 | 45 | -27% |
| JM AB | Finance & Real Estate | 62 | 12 | 280 | 166 | 114 | 69% |
| KUNGSLEDEN AB | Finance & Real Estate | 10 | 3 | 25 | 108 | 83 | -76% |
| L. WALLENSTAM BYGGN. | Finance & Real Estate | 63 | 1 | -32 | 143 | 174 | -122% |
| LJUNGBERGGRUPPEN AB | Finance & Real Estate | 34 | 1 | 231 | 87 | 144 | 165% |
| NORDEA BANK | Finance & Real Estate | 33 | 126 | -18 | 107 | 125 | -116% |
| OMX AB | Finance & Real Estate | 22 | 3 | 136 | 125 | 11 | 9% |
| SKANDINAVISKA ENSK | Finance & Real Estate | 147 | 101 | 221 | 218 | 4 | 2% |
| SV. HANDELSBANKEN AB | Finance & Real Estate | 136 | 79 | 287 | 209 | 78 | 37% |
| SWEDBANK AB | Finance & Real Estate | 15 | 48 | 289 | 250 | 39 | 16% |
| ASTRAZENECA PLC | Health Care | 94 | 196 | 18 | 370 | 352 | -95% |
| ELEKTA AB | Health Care | 35 | 4 | 119 | 143 | 23 | -16% |
| GETINGE AB | Health Care | 75 | 13 | 182 | 158 | 24 | 15% |
| MEDA AB | Health Care | 16 | 5 | 72 | 131 | 59 | -45% |
| NOBEL BIOCARE HLDG | Health Care | 26 | 1 | 846 | 2018 | 1172 | -58% |
| Q-MED AB | Health Care | 20 | 1 | 60 | 111 | 51 | -46% |
| AB VOLVO | Industrial Goods & Services | 80 | 259 | 99 | 91 | 8 | 9% |
| ABB LTD | Industrial Goods & Services | 115 | 173 | 105 | 122 | 17 | -14% |
| ASSA ABLOY AB | Industrial Goods & Services | 53 | 31 | 139 | 148 | 8 | -6% |
| ATLAS COPCO AB | Industrial Goods & Services | 134 | 51 | 83 | 97 | 13 | -14% |
| HEXAGON AB | Industrial Goods & Services | 15 | 13 | 86 | 95 | 9 | -10% |
| NCC AB | Industrial Goods & Services | 19 | 56 | 316 | 188 | 128 | 68% |
| NIBE INDUSTRIER AB | Industrial Goods & Services | 58 | 5 | 71 | 112 | 41 | -37% |
| PEAB AB | Industrial Goods & Services | 48 | 30 | 77 | 54 | 23 | 42% |
| SAAB AB | Industrial Goods & Services | 70 | 21 | 234 | 214 | 21 | 10% |
| SANDVIK AB | Industrial Goods & Services | 145 | 72 | 122 | 97 | 24 | 25% |
| SCANIA AB | Industrial Goods & Services | 107 | 74 | 167 | 115 | 52 | 45% |
| SECO TOOLS AB | Industrial Goods & Services | 75 | 5 | 213 | 109 | 104 | 95% |
| SECURITAS AB | Industrial Goods & Services | 73 | 61 | 87 | 106 | 19 | -18% |
| SKANSKA AB | Industrial Goods & Services | 130 | 126 | 118 | 133 | 15 | -11% |
| SKF AB | Industrial Goods & Services | 100 | 53 | 138 | 119 | 19 | 16% |
| TRELLEBORG AB | Industrial Goods & Services | 102 | 27 | 148 | 163 | 15 | -9% |
| ERICSSON AB | Information Technology | 131 | 178 | 19 | 28 | 9 | -32% |
| LAWSON SOFTWARE INC | Information Technology | 32 | 3 | 39 | 52 | 13 | -26% |
| TIETOENATOR OYJ | Information Technology | 8 | 15 | 125 | 219 | 94 | -43% |
| HOLMEN AB | Materials | 132 | 19 | 200 | 303 | 103 | -34% |
| SSAB SVENSKT STAL AB | Materials | 29 | 31 | 291 | 148 | 143 | 96% |
| STORA ENSO OYJ | Materials | 660 | 136 | 90 | 110 | 20 | -18% |
| SVENSKA CELLULOSA AB | Materials | 78 | 101 | 157 | 120 | 37 | 31% |
| MILLICOM CELL. | Telecom | 17 | 12 | 739 | 429 | 310 | 72% |
| TELE2 AB | Telecom | 14 | 50 | 16 | 100 | 84 | -84% |
| TELIASONERA AB | Telecom | 87 | 91 | 72 | 57 | 14 | 25% |
| 52 | | 77 | 50 | | | 92 | -2% |

| Table 9-7 Calculated SAEG values for all companie | ies included in the holdout sample |
|---|------------------------------------|
|---|------------------------------------|

| | | A = - | - | CAEG Mala | A | Alexal 1 - 1100 | D |
|----------------------|-----------------------------|--------------|-----------------|------------|--------------|-----------------|------------------|
| | Industry Consumer Coode | Age | <u>1urnover</u> | SAEG Value | Actual Price | Absolute diff. | Percentage alff. |
| | Consumer Goods | 44 | 29 | 307 | 2/0 | 91 | 33% 10% |
| | Durables | 51 | 13 | 388 | 127 | 20 | -10% |
| | Durables | 00 | 104 | 50 | 417 | 55 | 18% |
| HENNES & MAURITZ AR | Durables | 60 60 | 104 68 | 297 | 311 | JJ 47 | -48% |
| | Durables | 12 | 10 | 157 | 344 | 47 | -14% |
| | Einanco & Poal Estato | 17 | 10 | 157 | 444 | 200 | -05% |
| | Finance & Real Estate | 14 | 2 | 161 | 95 14E | 57 | -40% |
| | Finance & Real Estate | 75 | 5 | 101 | 145 | 10 | 21% |
| | Finance & Real Estate | 00 | 2 | 20 | 00 77 | 27 | -51% |
| | Finance & Real Estate | 92 | 1 | 50 70 | 165 | 40 | -02% |
| | Finance & Real Estate | 91 62 | 32 | /8 0E | 105 | 87 | -53% |
| | Finance & Real Estate | 02 | 12 | 65 161 | 100 | 52 | -49% |
| | | 10 | 3 | 101 | 108 | 53 | 49% |
| | Finance & Real Estate | 24 | 1 | 240 | 143 | 252 | -43% |
| | | 34 | 120 | 340 | 87 107 | 253 | 290% |
| | Finance & Real Estate | 33 | 126 | 8 | 107 | 99 | -92% |
| | Finance & Real Estate | 22 | 3 | 93 | 125 | 32 | -26% |
| | Finance & Real Estate | 147 | 101 | 86 | 218 | 131 | -60% |
| SV. HANDELSBANKEN AB | Finance & Real Estate | 130 | 79 | 156 | 209 | 52 | -25% |
| SWEDBANK AB | Finance & Real Estate | 15 | 48 | 131 | 250 | 119 | -48% |
| ASTRAZENECA PLC | Health Care | 94 | 196 | 393 | 370 | 23 | 6% |
| | Health Care | 35 | 4 | 32 | 143 | 111 | -78% |
| GETINGE AB | Health Care | 75 | 13 | 72 | 158 | 86 | -54% |
| | Health Care | 16 | 5 | 11 | 131 | 121 | -92% |
| NOBEL BIOCARE HLDG | Health Care | 26 | 1 | 505 | 2018 | 1513 | -/1% |
| Q-MED AB | Health Care | 20 | 1 | 24 | 111 | 87 | -78% |
| AB VOLVO | Industrial Goods & Services | 80 | 259 | 80 | 91 | 10 | -11% |
| ABB LTD | Industrial Goods & Services | 115 | 173 | 22 | 122 | 100 | -82% |
| ASSA ABLOY AB | Industrial Goods & Services | 53 | 31 | 59 | 148 | 89 | -60% |
| ATLAS COPCO AB | Industrial Goods & Services | 134 | 51 | 29 | 97 | 68 | -70% |
| HEXAGON AB | Industrial Goods & Services | 15 | 13 | 25 | 95 | 70 | -74% |
| NCC AB | Industrial Goods & Services | 19 | 56 | 161 | 188 | 27 | -14% |
| NIBE INDUSTRIER AB | Industrial Goods & Services | 58 | 5 | 28 | 112 | 85 | -75% |
| PEAB AB | Industrial Goods & Services | 48 | 30 | 28 | 54 | 27 | -49% |
| SAAB AB | Industrial Goods & Services | 70 | 21 | 109 | 214 | 104 | -49% |
| SANDVIK AB | Industrial Goods & Services | 145 | 72 | 53 | 97 | 44 | -45% |
| SCANIA AB | Industrial Goods & Services | 107 | 74 | 68 | 115 | 47 | -41% |
| SECO TOOLS AB | Industrial Goods & Services | 75 | 5 | 124 | 109 | 15 | 14% |
| SECURITAS AB | Industrial Goods & Services | 73 | 61 | 67 | 106 | 39 | -37% |
| SKANSKA AB | Industrial Goods & Services | 130 | 126 | 75 | 133 | 58 | -44% |
| SKF AB | Industrial Goods & Services | 100 | 53 | 63 | 119 | 55 | -47% |
| TRELLEBORG AB | Industrial Goods & Services | 102 | 27 | 84 | 163 | 79 | -49% |
| ERICSSON AB | Information Technology | 131 | 178 | 8 | 28 | 19 | -70% |
| LAWSON SOFTWARE INC | Information Technology | 32 | 3 | 0 | 52 | 52 | -100% |
| TIETOENATOR OYJ | Information Technology | 8 | 15 | 107 | 219 | 112 | -51% |
| HOLMEN AB | Materials | 132 | 19 | 251 | 303 | 52 | -17% |
| SSAB SVENSKT STAL AB | Materials | 29 | 31 | 71 | 148 | 77 | -52% |
| STORA ENSO OYJ | Materials | 660 | 136 | 115 | 110 | 5 | 4% |
| SVENSKA CELLULOSA AB | Materials | 78 | 101 | 111 | 120 | 9 | -8% |
| MILLICOM CELL. | Telecom | 17 | 12 | 0 | 429 | 429 | -100% |
| TELE2 AB | Telecom | 14 | 50 | 49 | 100 | 50 | -50% |
| TELIASONERA AB | Telecom | 87 | 91 | 47 | 57 | 11 | -19% |
| 52 | | 77 | 50 | | | 102 | -36% |

9.3 Sensitivity Analysis

Table 9-8 SRIV values when long term growth set to 3 percent, grouped according to good and bad results respectively.

| Company | Industry | Aae | Turnover | SRIV Value | Actual Price | Absolute diff. | Percentaae diff. |
|----------------------|-----------------------------|-----|----------|------------|--------------|----------------|------------------|
| AXFOOD AB | Consumer Goods | 44 | 29 | 319 | 276 | 43 | 16% |
| ELECTROLUX AB | Durables | 88 | 104 | 109 | 115 | 6 | -5% |
| HENNES & MAURITZ AB | Durables | 60 | 68 | 312 | 344 | 32 | -9% |
| D. CARNEGIE & CO AB | Finance & Real Estate | 75 | 5 | 118 | 145 | 27 | -18% |
| INVESTOR AB | Finance & Real Estate | 91 | 32 | 133 | 165 | 32 | -19% |
| OMX AB | Finance & Real Estate | 22 | 3 | 119 | 125 | 6 | -5% |
| SKANDINAVISKA ENSK | Finance & Real Estate | 147 | 101 | 206 | 218 | 12 | -5% |
| SV. HANDELSBANKEN AB | Finance & Real Estate | 136 | 79 | 257 | 209 | 48 | 23% |
| SWEDBANK AB | Finance & Real Estate | 15 | 48 | 266 | 250 | 16 | 6% |
| GETINGE AB | Health Care | 75 | 13 | 145 | 158 | 13 | -8% |
| AB VOLVO | Industrial Goods & Services | 80 | 259 | 91 | 91 | 0 | 0% |
| ABB LTD | Industrial Goods & Services | 115 | 173 | 93 | 122 | 29 | -24% |
| ASSA ABLOY AB | Industrial Goods & Services | 53 | 31 | 124 | 148 | 24 | -16% |
| ATLAS COPCO AB | Industrial Goods & Services | 134 | 51 | 76 | 97 | 21 | -22% |
| HEXAGON AB | Industrial Goods & Services | 15 | 13 | 79 | 95 | 16 | -17% |
| PEAB AB | Industrial Goods & Services | 48 | 30 | 66 | 54 | 12 | 22% |
| SAAB AB | Industrial Goods & Services | 70 | 21 | 205 | 214 | 9 | -4% |
| SANDVIK AB | Industrial Goods & Services | 145 | 72 | 107 | 97 | 10 | 10% |
| SKANSKA AB | Industrial Goods & Services | 130 | 126 | 108 | 133 | 25 | -19% |
| SKF AB | Industrial Goods & Services | 100 | 53 | 124 | 119 | 5 | 5% |
| TRELLEBORG AB | Industrial Goods & Services | 102 | 27 | 143 | 163 | 20 | -13% |
| STORA ENSO OYJ | Materials | 660 | 136 | 90 | 110 | 20 | -18% |
| SVENSKA CELLULOSA AB | Materials | 78 | 101 | 141 | 120 | 21 | 18% |
| TELIASONERA AB | Telecom | 87 | 91 | 62 | 57 | 5 | 9% |
| 24 | | 107 | 70 | | | 19 | -4% |
| | | | | | | | |
| | | | | | | | |
| Company | Industry | Age | Turnover | SRIV Value | Actual Price | Absolute diff. | Percentage diff. |
| SWEDISH MATCH AB | Consumer Goods | 90 | 13 | 219 | 127 | 93 | 73% |
| AUTOLIV, INC. | Durables | 51 | 44 | 557 | 417 | 140 | 34% |
| MODERN TIMES GRP MTG | Durables | 12 | 10 | 299 | 444 | 144 | -33% |
| CASTELLUM AB | Finance & Real Estate | 14 | 2 | 56 | 93 | 37 | -40% |
| FABEGE AB | Finance & Real Estate | 83 | 2 | 23 | 88 | 65 | -74% |
| HUFVUDSTADEN AB | Finance & Real Estate | 92 | 1 | 12 | 77 | 65 | -84% |
| JM AB | Finance & Real Estate | 62 | 12 | 242 | 166 | 76 | 46% |
| KUNGSLEDEN AB | Finance & Real Estate | 10 | 3 | 31 | 108 | 77 | -71% |
| L. WALLENSTAM BYGGN. | Finance & Real Estate | 63 | 1 | 6 | 143 | 136 | -95% |
| LJUNGBERGGRUPPEN AB | Finance & Real Estate | 34 | 1 | 115 | 87 | 28 | 32% |
| NORDEA BANK | Finance & Real Estate | 33 | 126 | -7 | 107 | 114 | -107% |
| ASTRAZENECA PLC | Health Care | 94 | 196 | 13 | 370 | 357 | -96% |
| ELEKTA AB | Health Care | 35 | 4 | 95 | 143 | 47 | -33% |
| MEDA AB | Health Care | 16 | 5 | 63 | 131 | 69 | -52% |
| NOBEL BIOCARE HLDG | Health Care | 26 | 1 | 703 | 2018 | 1315 | -65% |
| Q-MED AB | Health Care | 20 | 1 | 51 | 111 | 60 | -54% |
| NCC AB | Industrial Goods & Services | 19 | 56 | 273 | 188 | 86 | 46% |
| NIBE INDUSTRIER AB | Industrial Goods & Services | 58 | 5 | 60 | 112 | 52 | -46% |
| SCANIA AB | Industrial Goods & Services | 107 | 74 | 145 | 115 | 30 | 26% |
| SECO TOOLS AB | Industrial Goods & Services | 75 | 5 | 164 | 109 | 55 | 51% |
| SECURITAS AB | Industrial Goods & Services | 73 | 61 | 76 | 106 | 30 | -28% |
| ERICSSON AB | Information Technology | 131 | 178 | 17 | 28 | 10 | -38% |
| LAWSON SOFTWARE INC | Information Technology | 32 | 3 | 37 | 52 | 16 | -30% |
| TIETOENATOR OYJ | Information Technology | 8 | 15 | 116 | 219 | 103 | -47% |
| HOLMEN AB | Materials | 132 | 19 | 199 | 303 | 104 | -34% |
| SSAB SVENSKT STAL AB | Materials | 29 | 31 | 259 | 148 | 110 | 74% |
| MILLICOM CELL. | Telecom | 17 | 12 | 587 | 429 | 158 | 37% |
| TELE2 AB | Telecom | 14 | 50 | 26 | 100 | 73 | -74% |
| 28 | | 51 | 33 | | | 130 | -24% |

Table 9-9 SAEG values when long term growth set to 3 percent, grouped according to good and bad results respectively.

| Company | Industry | Aae | Turnover | SAEG Value | Actual Price | Absolute diff. | Percentaae diff. |
|----------------------|-----------------------------|----------|----------|------------|--------------|---------------------|------------------|
| AXFOOD AB | Consumer Goods | 44 | 29 | 281 | 276 | 5 | 2% |
| D. CARNEGIE & CO AB | Finance & Real Estate | 75 | 5 | 139 | 145 | 6 | -4% |
| ASTRAZENECA PLC | Health Care | 94 | 196 | 292 | 370 | 77 | -21% |
| AB VOLVO | Industrial Goods & Services | 80 | 259 | 69 | 91 | 22 | -24% |
| SECO TOOLS AB | Industrial Goods & Services | 75 | 5 | 93 | 109 | 16 | -14% |
| STORA ENSO OYJ | Materials | 660 | 136 | 89 | 110 | 20 | -18% |
| 6 | | 171 | 105 | | | 24 | -13% |
| | | | | | | | |
| Company | Industry | Age | Turnover | SAFG Value | Actual Price | Absolute diff. | Percentage diff. |
| SWEDISH MATCH AB | Consumer Goods | 90 | 13 | 78 | 127 | 48 | -38% |
| | Durables | 51 | 44 | 285 | 417 | 132 | -32% |
| ELECTROLUX AB | Durables | 88 | 104 | 52 | 115 | 63 | -55% |
| HENNES & MAURITZ AB | Durables | 60 | 68 | 236 | 344 | 108 | -31% |
| MODERN TIMES GRP MTG | Durables | 12 | 10 | 130 | 444 | 314 | -71% |
| | Finance & Real Estate | 14 | 2 | 47 | 93 | 46 | -50% |
| EABEGE AB | Finance & Real Estate | 83 | 2 | | 88 | 36 | -41% |
| | Finance & Real Estate | 03 | 1 | 25 | 77 | 50 | -68% |
| | Finance & Real Estate | 01 | 32 | 25 66 | 165 | 92 | -60% |
| | Finance & Real Estate | 62 | 12 | 71 | 105 | 99 05 | -00% E7% |
| | Finance & Real Estate | 10 | 12 | 1/1 | 100 | 30 | -37% |
| | Finance & Real Estate | 62 | 5 | 141 61 | 100 | 52 | 50% |
| | | 24 | 1 | 110 | 145 | 22 | -37% |
| | Finance & Real Estate | 34 | 120 | 110 | 8/ | 23 | 20% |
| | Finance & Real Estate | 33 | 126 | / | 107 | 100 | -93% |
| | Finance & Real Estate | 22 | 3 | 77 | 125 | 48 | -38% |
| SKANDINAVISKA ENSK | Finance & Real Estate | 147 | 101 | 76 | 218 | 142 | -65% |
| SV. HANDELSBANKEN AB | Finance & Real Estate | 136 | 79 | 131 | 209 | /8 | -3/% |
| SWEDBANK AB | Finance & Real Estate | 15 | 48 | 113 | 250 | 137 | -55% |
| ELEKTA AB | Health Care | 35 | 4 | 24 | 143 | 118 | -83% |
| GETINGE AB | Health Care | 75 | 13 | 54 | 158 | 104 | -66% |
| MEDA AB | Health Care | 16 | 5 | 9 | 131 | 123 | -93% |
| NOBEL BIOCARE HLDG | Health Care | 26 | 1 | 476 | 2018 | 1543 | -76% |
| Q-MED AB | Health Care | 20 | 1 | 19 | 111 | 91 | -82% |
| ABB LTD | Industrial Goods & Services | 115 | 173 | 19 | 122 | 104 | -85% |
| ASSA ABLOY AB | Industrial Goods & Services | 53 | 31 | 50 | 148 | 98 | -66% |
| ATLAS COPCO AB | Industrial Goods & Services | 134 | 51 | 25 | 97 | 71 | -74% |
| HEXAGON AB | Industrial Goods & Services | 15 | 13 | 21 | 95 | 74 | -77% |
| NCC AB | Industrial Goods & Services | 19 | 56 | 134 | 188 | 54 | -29% |
| NIBE INDUSTRIER AB | Industrial Goods & Services | 58 | 5 | 22 | 112 | 90 | -80% |
| PEAB AB | Industrial Goods & Services | 48 | 30 | 22 | 54 | 32 | -59% |
| SAAB AB | Industrial Goods & Services | 70 | 21 | 87 | 214 | 127 | -59% |
| SANDVIK AB | Industrial Goods & Services | 145 | 72 | 46 | 97 | 51 | -53% |
| SCANIA AB | Industrial Goods & Services | 107 | 74 | 57 | 115 | 58 | -50% |
| SECURITAS AB | Industrial Goods & Services | 73 | 61 | 55 | 106 | 51 | -48% |
| SKANSKA AB | Industrial Goods & Services | 130 | 126 | 65 | 133 | 68 | -51% |
| SKF AB | Industrial Goods & Services | 100 | 53 | 55 | 119 | 64 | -54% |
| TRELLEBORG AB | Industrial Goods & Services | 102 | 27 | 73 | 163 | 90 | -55% |
| ERICSSON AB | Information Technology | 131 | 178 | 7 | 28 | 21 | -74% |
| LAWSON SOFTWARE INC | Information Technology | 32 | 3 | 0 | 52 | 52 | -100% |
| TIETOENATOR OYJ | Information Technology | 8 | 15 | 88 | 219 | 132 | -60% |
| HOLMEN AB | Materials | 132 | 19 | 207 | 303 | | -32% |
| SSAB SVENSKT STAL AB | Materials | 29 | 31 | 62 | 148 | 87 | -58% |
| SVENSKA CELLULOSA AB | Materials | 78 | 101 | 87 | 120 | 33 | -28% |
| | Telecom | 17 | 12 | 0 | 429 | 429 | -100% |
| TELE2 AB | Telecom | 14 | 50 | 20 | 100 | - <u>-</u> 25 61 | -61% |
| | Telecom | 14 97 | Q1 | 27 | 57 | 20 | -22% |
| | | 65 | 43 | 57 | 57 | 121 | -56% |

Table 9-10 SRIV values when long term growth set to 5 percent, grouped according to good and bad results respectively.

| Company | Industry | Age | Turnover | SRIV Value | Actual Price | Absolute diff. | Percentage diff. |
|-----------------------|-----------------------------|-----------|----------|------------|--------------|----------------|------------------|
| ELECTROLUX AB | Durables | 88 | 104 | 130 | 115 | 16 | 14% |
| MODERN TIMES GRP MTG | Durables | 12 | 10 | 418 | 444 | 25 | -6% |
| D. CARNEGIE & CO AB | Finance & Real Estate | 75 | 5 | 150 | 145 | 5 | 3% |
| SKANDINAVISKA ENSK | Finance & Real Estate | 147 | 101 | 242 | 218 | 24 | 11% |
| ELEKTA AB | Health Care | 35 | 4 | 166 | 143 | 23 | 16% |
| AB VOLVO | Industrial Goods & Services | 80 | 259 | 111 | 91 | 20 | 22% |
| ABB LTD | Industrial Goods & Services | 115 | 173 | 121 | 122 | 1 | -1% |
| ASSA ABLOY AB | Industrial Goods & Services | 53 | 31 | 162 | 148 | 14 | 10% |
| ATLAS COPCO AB | Industrial Goods & Services | 134 | 51 | 93 | 97 | 3 | -3% |
| HEXAGON AB | Industrial Goods & Services | 15 | 13 | 95 | 95 | 0 | 0% |
| NIBE INDUSTRIER AB | Industrial Goods & Services | 58 | 5 | 89 | 112 | 23 | -20% |
| SECURITAS AB | Industrial Goods & Services | 73 | 61 | 103 | 106 | 2 | -2% |
| SKANSKA AB | Industrial Goods & Services | 130 | 126 | 131 | 133 | 2 | -1% |
| TRELLEBORG AB | Industrial Goods & Services | 102 | 27 | 154 | 163 | 9 | -5% |
| ERICSSON AB | Information Technology | 131 | 178 | 21 | 28 | 7 | -24% |
| LAWSON SOFTWARE INC | Information Technology | 32 | 3 | 43 | 52 | 9 | -18% |
| STORA ENSO OYJ | Materials | 660 | 136 | 90 | 110 | 19 | -18% |
| 17 | | 114 | 76 | | | 12 | -1% |
| | | | | | | | |
| Company | Industry | Age | Turnover | SRIV Value | Actual Price | Absolute diff. | Percentage diff. |
| AXFOOD AB | Consumer Goods | 44 | 29 | 559 | 276 | 283 | 103% |
| SWEDISH MATCH AB | Consumer Goods | 90 | 13 | 570 | 127 | 444 | 351% |
| AUTOLIV, INC. | Durables | 51 | 44 | 957 | 417 | 540 | 130% |
| HENNES & MAURITZ AB | Durables | 60 | 68 | 506 | 344 | 162 | 47% |
| CASTELLUM AB | Finance & Real Estate | 14 | 2 | 53 | 93 | 40 | -43% |
| FABEGE AB | Finance & Real Estate | 83 | 2 | 7 | 88 | 81 | -92% |
| HUFVUDSTADEN AB | Finance & Real Estate | 92 | 1 | -8 | 77 | 86 | -111% |
| INVESTOR AB | Finance & Real Estate | 91 | 32 | 102 | 165 | 63 | -38% |
| JM AB | Finance & Real Estate | 62 | 12 | 337 | 166 | 171 | 103% |
| KUNGSLEDEN AB | Finance & Real Estate | 10 | 3 | 18 | 108 | 91 | -84% |
| L. WALLENSTAM BYGGN. | Finance & Real Estate | 63 | 1 | -106 | 143 | 249 | -175% |
| LJUNGBERGGRUPPEN AB | Finance & Real Estate | 34 | 1 | -96 | 87 | 183 | -210% |
| NORDEA BANK | Finance & Real Estate | 33 | 126 | -32 | 107 | 139 | -130% |
| OMX AB | Finance & Real Estate | 22 | 3 | 161 | 125 | 36 | 29% |
| SV. HANDELSBANKEN AB | Finance & Real Estate | 136 | 79 | 331 | 209 | 122 | 59% |
| SWEDBANK AB | Finance & Real Estate | 15 | 48 | 322 | 250 | 72 | 29% |
| ASTRAZENECA PLC | Health Care | 94 | 196 | 27 | 370 | 343 | -93% |
| GETINGE AB | Health Care | 75 | 13 | 257 | 158 | 99 | 62% |
| MEDA AB | Health Care | 16 | 5 | 86 | 131 | 45 | -34% |
| NOBEL BIOCARE HLDG | Health Care | 26 | 1 | 1085 | 2018 | 934 | -46% |
| Q-MED AB | Health Care | 20 | 1 | 75 | 111 | 36 | -32% |
| NCC AB | Industrial Goods & Services | 19 | 56 | 379 | 188 | 192 | 102% |
| PEAB AB | Industrial Goods & Services | 48 | 30 | 94 | 54 | 40 | 74% |
| SAAB AB | Industrial Goods & Services | 70 | 21 | 284 | 214 | 70 | 33% |
| SANDVIK AB | Industrial Goods & Services | 145 | 72 | 142 | 97 | 45 | 46% |
| SCANIA AB | Industrial Goods & Services | 107 | 74 | 199 | 115 | 84 | 73% |
| SECO TOOLS AB | Industrial Goods & Services | 75 | 5 | 308 | 109 | 199 | 183% |
| SKF AB | Industrial Goods & Services | 100 | 53 | 157 | 119 | 38 | 32% |
| TIETOENATOR OYJ | Information Technology | 8 | 15 | 138 | 219 | 81 | -37% |
| HOLMEN AB | Materials | 132 | 19 | 201 | 303 | 102 | -34% |
| SSAB SVENSKT STAL AB | Materials | 29 | 31 | 336 | 148 | 187 | 126% |
| SVENSKA CELIUI OSA AB | Materials | 78 | 101 | 185 | 120 | 65 | 54% |
| MILLICOM CELL | Telecom | 17 | 12 | 1003 | 429 | 574 | 134% |
| TELEO AB | Telecom | 14 | 50 | -3 | 100 | 102 | -103% |
| | Telecom | 87 | 91 | 87 | 57 | 30 | 53% |
| 25 | | 50, 50 | 29 | | 51 | 172 | 169/ |

| Table 9-11 SAEG values when lo | ng term growth set to 5 | percent, grouped according | to good and bad | results respectively. |
|--------------------------------|-------------------------|----------------------------|-----------------|-----------------------|
|--------------------------------|-------------------------|----------------------------|-----------------|-----------------------|

| Company | Industry | Age | Turnover | SAEG Value | Actual Price | Absolute diff. | Percentage diff. |
|-----------------------|-----------------------------|----------|----------|------------|--------------|----------------|------------------|
| HENNES & MAURITZ AB | Durables | 60 | 68 | 400 | 344 | 56 | 16% |
| FABEGE AB | Finance & Real Estate | 83 | 2 | 73 | 88 | 15 | -17% |
| L. WALLENSTAM BYGGN. | Finance & Real Estate | 63 | 1 | 119 | 143 | 23 | -16% |
| OMX AB | Finance & Real Estate | 22 | 3 | 117 | 125 | 8 | -7% |
| SV. HANDELSBANKEN AB | Finance & Real Estate | 136 | 79 | 194 | 209 | 14 | -7% |
| AB VOLVO | Industrial Goods & Services | 80 | 259 | 97 | 91 | 6 | 6% |
| NCC AB | Industrial Goods & Services | 19 | 56 | 201 | 188 | 14 | 7% |
| SECURITAS AB | Industrial Goods & Services | 73 | 61 | 85 | 106 | 20 | -19% |
| HOLMEN AB | Materials | 132 | 19 | 317 | 303 | 14 | 4% |
| TELIASONERA AB | Telecom | 87 | 91 | 63 | 57 | 6 | 10% |
| 10 | | 76 | 64 | | | 18 | -2% |
| | | | | | | | |
| Company | Industry | Δσρ | Turnover | SAFG Value | Actual Price | Absolute diff | Percentage diff |
| | Consumer Goods | 44 | 29 | 528 | 276 | 252 | 92% |
| | Consumer Goods | ۰۰ ۵۵ | 13 | 208 | 1270 | 82 | 65% |
| | Durables | 51 | 13 | 608 | 127 | 101 | 46% |
| | Durables | 00 | 104 | 70 | 417 | 191 | 40% |
| | Durables | 00 10 | 104 | 100 | 115 | 45 | -39% |
| | Finance & Real Estate | 14 | 10 | 199 | 444 | 245 | -55% |
| | Finance & Real Estate | 14 | 2 | 180 | 93 | 24 | -25% |
| | Finance & Real Estate | /5 | 5 | 169 | 145 | 44 | 51% |
| | | 92 | 1 | 30 | 1/7 | 41 | -53% |
| | Finance & Real Estate | 91 | 32 | 94 | 165 | /1 | -43% |
| | Finance & Real Estate | 62 | 12 | 104 | 100 | 62 | -37% |
| KUNGSLEDEN AB | Finance & Real Estate | 10 | 3 | 189 | 108 | 81 | /5% |
| LJUNGBERGGRUPPEN AB | Finance & Real Estate | 34 | 1 | -309 | 87 | 396 | -454% |
| | Finance & Real Estate | 33 | 126 | 10 | 107 | 97 | -90% |
| SKANDINAVISKA ENSK | Finance & Real Estate | 147 | 101 | 101 | 218 | 117 | -54% |
| SWEDBANK AB | Finance & Real Estate | 15 | 48 | 155 | 250 | 95 | -38% |
| ASTRAZENECA PLC | Health Care | 94 | 196 | 598 | 370 | 228 | 62% |
| ELEKTA AB | Health Care | 35 | 4 | 47 | 143 | 96 | -67% |
| GETINGE AB | Health Care | 75 | 13 | 107 | 158 | 51 | -32% |
| MEDA AB | Health Care | 16 | 5 | 14 | 131 | 118 | -90% |
| NOBEL BIOCARE HLDG | Health Care | 26 | 1 | 793 | 2018 | 1225 | -61% |
| Q-MED AB | Health Care | 20 | 1 | 32 | 111 | 79 | -71% |
| ABB LTD | Industrial Goods & Services | 115 | 173 | 26 | 122 | 97 | -79% |
| ASSA ABLOY AB | Industrial Goods & Services | 53 | 31 | 71 | 148 | 76 | -52% |
| ATLAS COPCO AB | Industrial Goods & Services | 134 | 51 | 34 | 97 | 63 | -65% |
| HEXAGON AB | Industrial Goods & Services | 15 | 13 | 29 | 95 | 66 | -70% |
| NIBE INDUSTRIER AB | Industrial Goods & Services | 58 | 5 | 36 | 112 | 76 | -68% |
| PEAB AB | Industrial Goods & Services | 48 | 30 | 36 | 54 | 18 | -34% |
| SAAB AB | Industrial Goods & Services | 70 | 21 | 147 | 214 | 66 | -31% |
| SANDVIK AB | Industrial Goods & Services | 145 | 72 | 64 | 97 | 33 | -34% |
| SCANIA AB | Industrial Goods & Services | 107 | 74 | 84 | 115 | 31 | -27% |
| SECO TOOLS AB | Industrial Goods & Services | 75 | 5 | 184 | 109 | 75 | 69% |
| SKANSKA AB | Industrial Goods & Services | 130 | 126 | 89 | 133 | 44 | -33% |
| SKF AB | Industrial Goods & Services | 100 | 53 | 76 | 119 | 43 | -36% |
| TRELLEBORG AB | Industrial Goods & Services | 102 | 27 | 97 | 163 | 66 | -40% |
| ERICSSON AB | Information Technology | 131 | 178 | 10 | 28 | 18 | -64% |
| LAWSON SOFTWARE INC | Information Technology | 32 | 3 | 0 | 52 | 52 | -100% |
| TIETOENATOR OYJ | Information Technology | 8 | 15 | 136 | 219 | 83 | -38% |
| SSAB SVENSKT STAL AB | Materials | 29 | 31 | 85 | 148 | 63 | -43% |
| STORA ENSO OVI | Materials | 660 | 136 | 160 | 110 | 50 | 45% |
| SVENSKA CELLUI OSA AB | Materials | 78 | 101 | 153 | 120 | 20 | 27% |
| | Telecom | 17 | 17 | 100 | 120 | 420 | -100% |
| TELEO AB | Telecom | 14 | 50 | 67 | 100 | 32 | -27% |
| | | 77 | 47 | 07 | 100 | 122 | 32% |

Table 9-12 SRIV values when risk premium set to 4 percent, grouped according to good and bad results respectively.

| Company | Industry | Δae | Turnover | SRIV Value | Actual Price | Absolute diff. | Percentage diff. |
|----------------------|-----------------------------|-----|----------|------------|--------------|----------------|------------------|
| MODERN TIMES GRP MTG | Durables | 12 | 10 | 427 | 444 | 16 | -4% |
| D. CARNEGIE & CO AB | Finance & Real Estate | 75 | 5 | 163 | 145 | 18 | 12% |
| INVESTOR AB | Finance & Real Estate | 91 | 32 | 149 | 165 | 16 | -10% |
| ELEKTA AB | Health Care | 35 | 4 | 146 | 143 | 4 | 3% |
| ABB LTD | Industrial Goods & Services | 115 | 173 | 130 | 122 | 7 | 6% |
| ASSA ABLOY AB | Industrial Goods & Services | 53 | 31 | 172 | 148 | 24 | 17% |
| ATLAS COPCO AB | Industrial Goods & Services | 134 | 51 | 103 | 97 | 6 | 7% |
| HEXAGON AB | Industrial Goods & Services | 15 | 13 | 106 | 95 | 11 | 12% |
| NIBE INDUSTRIER AB | Industrial Goods & Services | 58 | 5 | 88 | 112 | 25 | -22% |
| SECURITAS AB | Industrial Goods & Services | 73 | 61 | 107 | 106 | 1 | 1% |
| SKANSKA AB | Industrial Goods & Services | 130 | 126 | 146 | 133 | 13 | 10% |
| TRELLEBORG AB | Industrial Goods & Services | 102 | 27 | 183 | 163 | 20 | 12% |
| ERICSSON AB | Information Technology | 131 | 178 | 23 | 28 | 4 | -16% |
| LAWSON SOFTWARE INC | Information Technology | 32 | 3 | 48 | 52 | 5 | -9% |
| HOLMEN AB | Materials | 132 | 19 | 246 | 303 | 57 | -19% |
| STORA ENSO OYJ | Materials | 660 | 136 | 111 | 110 | 1 | 1% |
| 16 | | 116 | 55 | | | 14 | 0% |
| | | | | | | | |
| Company | Industry | Age | Turnover | SRIV Value | Actual Price | Absolute diff. | Percentage diff. |
| AXFOOD AB | Consumer Goods | 44 | 29 | 493 | 276 | 218 | 79% |
| SWEDISH MATCH AB | Consumer Goods | 90 | 13 | 383 | 127 | 256 | 203% |
| AUTOLIV, INC. | Durables | 51 | 44 | 837 | 417 | 420 | 101% |
| ELECTROLUX AB | Durables | 88 | 104 | 146 | 115 | 32 | 28% |
| HENNES & MAURITZ AB | Durables | 60 | 68 | 472 | 344 | 128 | 37% |
| CASTELLUM AB | Finance & Real Estate | 14 | 2 | 68 | 93 | 25 | -27% |
| FABEGE AB | Finance & Real Estate | 83 | 2 | 20 | 88 | 68 | -77% |
| HUFVUDSTADEN AB | Finance & Real Estate | 92 | 1 | 5 | 77 | 73 | -94% |
| JM AB | Finance & Real Estate | 62 | 12 | 346 | 166 | 180 | 109% |
| KUNGSLEDEN AB | Finance & Real Estate | 10 | 3 | 32 | 108 | 77 | -71% |
| L. WALLENSTAM BYGGN. | Finance & Real Estate | 63 | 1 | -39 | 143 | 181 | -127% |
| LJUNGBERGGRUPPEN AB | Finance & Real Estate | 34 | 1 | 256 | 87 | 168 | 193% |
| NORDEA BANK | Finance & Real Estate | 33 | 126 | -22 | 107 | 129 | -120% |
| OMX AB | Finance & Real Estate | 22 | 3 | 168 | 125 | 43 | 34% |
| SKANDINAVISKA ENSK | Finance & Real Estate | 147 | 101 | 274 | 218 | 57 | 26% |
| SV. HANDELSBANKEN AB | Finance & Real Estate | 136 | 79 | 354 | 209 | 146 | 70% |
| SWEDBANK AB | Finance & Real Estate | 15 | 48 | 358 | 250 | 108 | 43% |
| ASTRAZENECA PLC | Health Care | 94 | 196 | 22 | 370 | 348 | -94% |
| GETINGE AB | Health Care | 75 | 13 | 223 | 158 | 65 | 41% |
| MEDA AB | Health Care | 16 | 5 | 89 | 131 | 43 | -32% |
| NOBEL BIOCARE HLDG | Health Care | 26 | 1 | 1042 | 2018 | 977 | -48% |
| Q-MED AB | Health Care | 20 | 1 | 74 | 111 | 37 | -33% |
| AB VOLVO | Industrial Goods & Services | 80 | 259 | 123 | 91 | 32 | 35% |
| NCC AB | Industrial Goods & Services | 19 | 56 | 390 | 188 | 202 | 108% |
| PEAB AB | Industrial Goods & Services | 48 | 30 | 95 | 54 | 40 | 74% |
| SAAB AB | Industrial Goods & Services | 70 | 21 | 288 | 214 | 74 | 35% |
| SANDVIK AB | Industrial Goods & Services | 145 | 72 | 151 | 97 | 53 | 55% |
| SCANIA AB | Industrial Goods & Services | 107 | 74 | 206 | 115 | 91 | 80% |
| SECO TOOLS AB | Industrial Goods & Services | 75 | 5 | 260 | 109 | 151 | 139% |
| SKF AB | Industrial Goods & Services | 100 | 53 | 171 | 119 | 52 | 44% |
| TIETOENATOR OYJ | Information Technology | 8 | 15 | 154 | 219 | 66 | -30% |
| SSAB SVENSKT STAL AB | Materials | 29 | 31 | 360 | 148 | 212 | 143% |
| SVENSKA CELLULOSA AB | Materials | 78 | 101 | 193 | 120 | 73 | 61% |
| MILLICOM CELL. | Telecom | 17 | 12 | 908 | 429 | 479 | 112% |
| TELE2 AB | Telecom | 14 | 50 | 19 | 100 | 80 | -81% |
| TELIASONERA AB | Telecom | 87 | 91 | 88 | 57 | 31 | 54% |
| 36 | | 60 | 48 | | | 150 | 30% |

Table 9-13 SAEG values when risk premium set to 4 percent, grouped according to good and bad results respectively.

| SWEDSH WATCH AB Consumer Goods 90 11 13 12 12 12 9% AUTOLV, IKC. Durables 51 14 44 474 417 57 14% HENNES & MAURITZAB Finance & Real Estate 83 2 75 88 13 -15% OMX AB Finance & Real Estate 12 3 114 125 11 -8% OMX AB Finance & Real Estate 126 79 133 200 16 -7% AB VOLVO Industrial Goods & Services 73 61 82 106 23 -22% SUENSK CELLULOSA B Materials 78 101 136 120 16 13% SUENSK CELUCIOSA B Materials 78 101 136 120 16 13% UCASNERA AB Telecom 87 91 57 7 0 0% CCASNERA AB Telecom 73 115 41 3% 3% <th>Company</th> <th>Industry</th> <th>Δαε</th> <th>Turnover</th> <th>SAFG Value</th> <th>Actual Price</th> <th>Absolute diff.</th> <th>Percentage diff.</th> | Company | Industry | Δαε | Turnover | SAFG Value | Actual Price | Absolute diff. | Percentage diff. |
|--|----------------------|-----------------------------|----------|-----------|------------|--------------|----------------|------------------|
| AUTOLV, NO. Durables 51 44 474 417 57 14% FABEG AB Finance & Real Estate 83 2 75 88 13 -15% OMX AB Finance & Real Estate 22 3 114 125 11 -8% SV. HANDELSBANKEN AB Finance & Real Estate 126 79 103 209 106 -7% SV. CAB Industrial Goods & Services 19 56 128 188 11 -6% SCURTAS AB Industrial Goods & Services 73 61 128 106 23 -22% VENSIG CELLUIDGA AB Materials 78 101 136 120 16 13% TELASONERA AB Industry Age Turover SAEG Value Actual Price Absolute diff. Percentage diff. AFCOD AB Company Company Company Age Turover SAEG Value Actual Price Absolute diff. Percentage diff. AFCOD AB <t< td=""><td>SWEDISH MATCH AB</td><td>Consumer Goods</td><td>90</td><td>13</td><td>138</td><td>127</td><td>12</td><td>9%</td></t<> | SWEDISH MATCH AB | Consumer Goods | 90 | 13 | 138 | 127 | 12 | 9% |
| HENNES & MAURITZAB Durables 60 6.8 365 344 21 6% CMX AB Finance & Real Estate 22 3 114 125 11 -8% CMX AB Finance & Real Estate 22 3 114 125 11 -8% VIANDELSANKEN AF Finance & Real Estate 22 3 114 125 11 -8% VIANDELSANKEN AF Industral Goods & Services 80 259 100 91 9 10% SECURTRAS AB Industral Goods & Services 73 61 82 106 23 -22% SVENSKA CELLUCSA AB Materials 78 101 136 120 16 13% TLLASONERA AB Consumer Goods 44 29 450 276 174 63% LCCTROLIX AB Consumer Goods 44 29 450 276 174 63% LCARNEET AB Finance & Real Estate 12 10 194 444 | AUTOLIV, INC. | Durables | 51 | 44 | 474 | 417 | 57 | 14% |
| FABEG 24 B Finance & Real Estate 23 2 75 88 13 -15% SV. HANDELSBANKEN AB Finance & Real Estate 126 79 193 209 16 -7% AV OLVO Industrial Goods & Services 136 79 193 209 16 -7% NCC AB Industrial Goods & Services 13 56 198 188 11 6% SCUBRTAS AB Industrial Goods & Services 73 61 82 106 23 -22% VENSKG CELLULOSA AB Materials 78 101 136 120 16 13% VENSKG CELLULOSA AB Telecom 87 91 57 57 0 0% AFCOD AB Consumer Good 44 29 450 276 13 15 14 36% LIAGON FRA AB Durables 12 64 93 24 26% 356 437% LIAGON FRA AB Finance & Real Estate 14 2 | HENNES & MAURITZ AB | Durables | 60 | 68 | 365 | 344 | 21 | 6% |
| OMX AB Finance & Real Estate 12 3 114 125 11 -8% AB VOLVO Industrial Goods & Services 80 259 100 91 9 106 AB VOLVO Industrial Goods & Services 80 259 100 91 9 106 SECURTSA AB Industrial Goods & Services 73 61 82 106 23 -22% SVENSKA CLULIOSA AB Materials 78 101 136 120 16 13% TELASONERA AB Taterials 78 101 136 120 16 13% TELASONERA AB Taterials 78 101 136 120 16 13% TELASONERA AB Durables 88 104 73 115 41 -266 Consumer Goods 44 29 450 276 174 63% LLCTROLVA AB Durables 12 10 134 444 250 -56% | FABEGE AB | Finance & Real Estate | 83 | 2 | 75 | 88 | 13 | -15% |
| SV. HANDELSBANKEN AB AVQU/O Finance & Real Estate 136 79 193 209 16 -77K AVQU/O Industrial Goods & Services 19 56 198 188 11 60K SCLARTAS AB HOLMEN AB Industrial Goods & Services 73 61 82 106 23 -22% VENSKI CELLULOSA AB Telecon Materials 78 101 136 120 16 13% VENSKI CELLULOSA AB Telecon Materials 78 101 57 57 0 0/% ACTOOD AB Commany Industry Age Turnover SAEG Value Actual Price Absolute diff. Percentage diff. AFCOOD AB Commany Industry Age Turnover SAEG Value Actual Price Absolute diff. Percentage diff. LUCFICIDUXAB Durables 12 100 134 424 26% 33 24 26% 34 37% LUVALDSTOREN AB Finance & Real Istrate 14 276 | OMX AB | Finance & Real Estate | 22 | 3 | 114 | 125 | 11 | -8% |
| AB VOLVO Industrial Goods & Services 80 259 100 91 9 10% SECURITS AB Industrial Goods & Services 73 61 82 106 23 -22% SVENSA CELLULOSA B Industrial Goods & Services 73 61 82 106 23 -22% SVENSA CELLULOSA B Materials 78 101 136 120 16 13% TELIASONERA AB Telecom 76 66 16 16% 16% Company Industry Age Turnover SAEG Value Actual Price Absolute diff. Percentage diff. AXFOOD AB Consumer Goods 44 29 450 275 174 63% LUCTROLX AB Durables 18 104 75 119 444 250 56% CARHEGIE & CO AB Finance & Real Estate 12 10 194 444 250 46% LACANELUMAB Finance & Real Estate 132 199 | SV. HANDELSBANKEN AB | Finance & Real Estate | 136 | 79 | 193 | 209 | 16 | -7% |
| NCC AB SCURITAS Industrial Goods & Services 19 56 198 188 11 67% HOLMEN AB SVENSKA CELULIDSA AB Materials Materials 132 19 309 303 6 22% HOLMEN AB SVENSKA CELULIDSA AB Materials Materials 78 101 136 120 16 13% LLSSONERA AB Materials 78 011 136 120 16 13% LLSSONERA AB Industry Age Consumer Goods 44 29 450 27% 174 63% LECTROLUX AB Durables 12 10 194 444 250 -56% CASTELLUM AB Finance & Real Estate 12 10 194 444 250 -56% CASTELLUM AB Finance & Real Estate 12 10 194 444 250 -56% CASTELLUM AB Finance & Real Estate 13 206 165 69 -42% LCARNEGIE & CO AB Finanace & Real Estate 13 | AB VOLVO | Industrial Goods & Services | 80 | 259 | 100 | 91 | 9 | 10% |
| SECURITIS AB Industrial Goods & Services 73 61 82 100 23 -228 HOMMEN AB Materials 73 101 136 120 16 13% TELUASONERA AB Telecom 87 91 57 0 0% AFROD AB Consumer Goods 44 29 450 276 174 63% AKFOD AB Consumer Goods 44 29 450 276 174 63% CAFCOLUX AB Durables 88 104 73 115 41 -36% CASTELLUM AB Durables 88 104 73 115 41 -36% CASTELLUM AB Finance & Real Estate 12 10 194 444 250 -55% CASTELLUM AB Finance & Real Estate 12 10 194 443 -26% MUSETOR AB Finance & Real Estate 12 104 166 61 -37% MAB Finance & Real Esta | NCC AB | Industrial Goods & Services | 19 | 56 | 198 | 188 | 11 | 6% |
| HOLMEN AB Materials 132 19 309 303 6 20% VENSSA CELLUGSARA Materials 78 101 136 120 16 13% TELLASONERA AB Telecom 87 91 57 57 0 00% 12 76 66 16 18% 16 15% Company Industry Age Turnover SAEG Value Actual Price Absolute diff. Percentage diff. AXFODO AB Consumer Goods 44 29 450 276 174 63% MODERN TIMES GRP MTG Durables 12 10 194 444 250 -56% CASTELLUMAB Finance & Real Estate 12 10 194 444 250 -56% CASTELLUMAB Finance & Real Estate 75 199 145 54 37% NASTERCEN AB Finance & Real Estate 132 296 166 16 137% NVESTOR AB | SECURITAS AB | Industrial Goods & Services | 73 | 61 | 82 | 106 | 23 | -22% |
| SVENSIA CELUJIOSA AB TELIASONERA AB Materials Telecom 78 101 136 120 16 13% 12 76 66 75 70 06 AFCOD AB Consumer Goods 44 29 450 276 174 63% AFCOD AB Consumer Goods 44 29 450 276 174 63% CATCOLUX AB Durables 88 104 73 115 41 -36% COSTEN AB Finance & Real Estate 14 2 69 93 24 -26% CARNEGIE & CO AB Finance & Real Estate 91 32 96 155 69 -42% JM AB Finance & Real Estate 91 32 96 166 61 -37% LWAUDSTOR NA Finance & Real Estate 91 32 96 165 69 -42% JM AB Finance & Real Estate 13 10 107 97 -90% SKANDINAVISKA ENSK < | HOLMEN AB | Materials | 132 | 19 | 309 | 303 | 6 | 2% |
| TELIASONERA AB Telecom 87 91 Lop Lop <thlop< th=""> Lop Lop</thlop<> | SVENSKA CELLULOSA AB | Materials | 78 | 101 | 136 | 120 | 16 | 13% |
| Laboritation 12 76 66 16 18 Company Industry Age Turnover SAEG Value Actual Price Absolute diff. Percentage diff. AKFODD AB Consumer Goods 44 29 450 276 174 63% AKFODD AB Durables 12 10 194 444 250 -56% CASTELLUM AB Finance & Real Estate 14 2 69 93 24 -26% D. CARNEGIR & CO AB Finance & Real Estate 92 1 37 77 41 -53% INVESTOR AB Finance & Real Estate 92 1 37 77 41 -53% INVESTOR AB Finance & Real Estate 10 3 200 108 91 B5% LUNAGERGRUPPEN AB Finance & Real Estate 13 126 10 107 79 -90% SKANDINAVISKA ENSK Finance & Real Estate 147 101 107 218 103 | | Telecom | 87 | 91 | 57 | 57 | 10 | 0% |
| Company Industry Age Turnover SAEG Value Actual Price Absolute diff. Percentage diff. AXFODD A8 Consume Goods 44 29 450 27.6 17.4 6.3% ELECTROLUX A8 Durables 12 10 194 444 250 -56% CASTELLUM AB Finance & Real Estate 12 10 194 444 250 -56% D. CARNEGIE & CO AB Finance & Real Estate 12 107 145 54 37% UNVENDEN AB Finance & Real Estate 91 32 96 165 69 -42% MAB Finance & Real Estate 13 200 108 91 85% L WALLENSTAM BYGEN. Finance & Real Estate 13 1076 87 289 311% LUNGSERGRUPPEN AB Finance & Real Estate 13 110 107 97 -90% SKANDINAVISA ENSK Finance & Real Estate 15 48 162 250 88 - | 12 | | 76 | 66 | 07 | 07 | 16 | 1% |
| Company Industry Age Consumer Goods Turnover 44 SAEG Value 29 Actual Price 450 Absolute diff. 276 Percentage diff. 438 ELECTROLUX AB ELECTROLUX AB Durables Durables 88 104 73 115 41 -36% MODERN TIMES GRP MTG Durables Durables 88 104 73 115 44 -36% CASTELLUMA AB Finance & Real Estate 12 10 194 444 200 -56% CARNEGIE & CO AB Finance & Real Estate 92 1 37 77 41 -53% MUSTORA B Finance & Real Estate 92 1 37 77 41 -53% JM AB Finance & Real Estate 13 200 108 91 85% LUNGEBERGGRUPPEN AB Finance & Real Estate 13 100 107 97 -00% SKANDINAVISKA ENSK Finance & Real Estate 14 101 107 218 110 -51% SKANDINAVISKA ENSK Finance & Real Estate <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<> | | | | | | | | |
| Consumer Goods 44 29 450 27.6 17.4 6.53% ELECTROLUX AB Durables 88 104 73 115 41 -36% MODERN TIMES GRP MTG Durables 12 10 194 444 20 -56% CASTELLUM AB Finance & Real Estate 14 2 69 33 24 -26% D.CANNEGT & CO AB Finance & Real Estate 92 1 37 77 41 -53% MAB Finance & Real Estate 92 132 96 165 69 -42% MAB Finance & Real Estate 10 3 200 108 91 433 -31% VUNDERR GRUPPEN AB Finance & Real Estate 13 106 107 218 110 -51% SWEDBANK AB Finance & Real Estate 14 101 107 218 110 -51% SWEDBANK AB Finance & Real Estate 15 13 131 118 -90%< | Company | Industry | ٨٩٥ | Turnovor | SAEG Value | Actual Prico | Absoluto diff | Porcontago diff |
| AAPODD AB Consumer souds 44 29 430 276 174 633 ELECTROLUX AB Durables 12 10 194 444 250 -568 MODERN TIMES GRP MTG Durables 12 10 194 4444 250 -568 MODERN TIMES GRP MTG Durables 12 10 194 4444 250 -568 D. CARNEGIE & CO AB Finance & Real Estate 75 5 199 145 54 378 INVESTOR AB Finance & Real Estate 91 32 96 165 69 -42% JM AB Finance & Real Estate 10 3 200 108 91 85% L WALLENSTAM BYGON Finance & Real Estate 13 10 107 278 313% NORDEA BANK Finance & Real Estate 147 101 107 218 110 -51% SWEDBANK AB Finance & Real Estate 15 48 162 250 88 -35% SWEDBANK AB Finance & Real Estate 15 48 <td< td=""><td></td><td>Consumer Coode</td><td>Age</td><td>20</td><td>SAEG Value</td><td></td><td></td><td>Fercentage uni.</td></td<> | | Consumer Coode | Age | 20 | SAEG Value | | | Fercentage uni. |
| ELEC INCLOA AB Durables BB 104 73 115 41 -368 MODERN TIMES GRP MTG Finance & Real Estate 12 10 194 444 250 -566% CASTELLUM AB Finance & Real Estate 12 10 194 444 250 -566% CANNEGIE & CO AB Finance & Real Estate 92 1 37 77 41 -53% INVESTOR AB Finance & Real Estate 91 32 96 165 69 -42% JM AB Finance & Real Estate 10 3 200 108 91 85% LVALLENTAMB WGGN. Finance & Real Estate 13 10 107 97 -90% SKANDINAVISKA ENSK Finance & Real Estate 147 101 107 218 110 -51% SWEDBANK AB Finance & Real Estate 15 48 152 250 88 -35% GETINGE AB Health Care 75 13 88 152 | | Consumer Goods | 44 | 29 | 450 | 270 | 1/4 | 03% |
| NUDERN TIMES GRF WITG Durables 12 10 194 444 250 -56% CASTELLUM AB Finance & Real Estate 75 5 199 145 54 37% INVESTOR AB Finance & Real Estate 92 1 37 77 41 -53% INVESTOR AB Finance & Real Estate 92 1 37 77 41 -53% INVESTOR AB Finance & Real Estate 92 10 32 96 165 69 -42% JM AB Finance & Real Estate 10 3200 108 91 85% L WALLENSTAM BYGEN. Finance & Real Estate 33 126 10 107 97 -90% SKANDINAVISKA ENK Finance & Real Estate 13 112 103 -73% SWEDBANK RB Health Care 94 196 481 370 111 30% GETINGE RAB Health Care 16 5 13 131 118 -90% </td <td></td> <td>Durables</td> <td>88</td> <td>104</td> <td>/3</td> <td>115</td> <td>41</td> <td>-36%</td> | | Durables | 88 | 104 | /3 | 115 | 41 | -36% |
| CASIELLUM AB Finance & Real Estate 14 2 09 93 24 -26% D. CARNEGIE & Co AB Finance & Real Estate 92 1 37 77 41 -53% HUFVUDSTADEN AB Finance & Real Estate 92 1 37 77 41 -53% INVESTOR AB Finance & Real Estate 92 10 3 200 108 91 85% LWALENSTAM BYGGN. Finance & Real Estate 62 12 104 166 61 -37% KUNGSTAR MBYGGN. Finance & Real Estate 63 1 99 143 43 -31% UNORDEA BANK Finance & Real Estate 34 1 376 87 289 331% NORDEA BANK Finance & Real Estate 147 101 107 218 110 -51% SWEDBANK AB Finance & Real Estate 15 48 162 250 88 -35% SATRAZENCA PLC Health Care 75 13 88 158 70 -44% 44 44 -73% | MODERN TIMES GRP MTG | | 12 | 10 | 194 | 444 | 250 | -56% |
| L) CARNEGLE & LO AB Finance & Real Estate 75 5 199 145 54 37% IUVEVDSTOR AB Finance & Real Estate 91 32 96 165 69 -42% INVESTOR AB Finance & Real Estate 62 12 104 166 61 -73% KUNGSLEDEN AB Finance & Real Estate 62 12 104 166 61 -37% KUNGSLEDEN AB Finance & Real Estate 10 3 200 108 91 85% L WALLENSTAM BYGGN. Finance & Real Estate 33 126 10 107 97 -90% SKANDINAVISKA ENSK Finance & Real Estate 147 101 107 218 110 -51% SWEDBANK AB Finance & Real Estate 15 48 162 250 88 -35% SWEDBANK AB Health Care 75 13 88 158 70 -44% GETINGE AB Health Care 26 1732 2018 | | Finance & Real Estate | 14 | 2 | 69 | 93 | 24 | -26% |
| HUFVUDSI ALDEN AB Finance & Real Estate 92 1 37 77 41 -5-33% INVESTOR AB Finance & Real Estate 91 32 96 165 69 4-42% JM AB Finance & Real Estate 62 12 104 166 61 -37% KUNGSLEDEN AB Finance & Real Estate 10 3 200 108 91 85% ONORDEA BANK Finance & Real Estate 63 1 99 143 43 -31% LUNORDER GGRUPPEN AB Finance & Real Estate 34 1 376 87 289 331% ONORDEA BANK Finance & Real Estate 34 1 376 87 289 331% SKANDINAVISKA ENSK Finance & Real Estate 147 101 107 218 110 -51% SKANDINAVISKA ENSK Finance & Real Estate 15 48 162 250 88 -35% GETINGE AB Health Care 94 196 481 370 111 30% GETINGE AB Health Care 75 13 88 158 70 444% GETINGE AB Health Care 26 1 732 2018 1287 -64% ONOBEA BANK Health Care 26 1 732 2018 1287 -64% ASTAZENCAPLC HLC Health Care 20 1 30 111 81 -73% ABB LTD Industrial Goods & Services 134 15 173 27 122 95 -78% ASA BLOY AB Industrial Goods & Services 15 13 30 95 65 -66% NIBE INDUSTRIER AB Industrial Goods & Services 15 13 30 95 65 -66% NIBE INDUSTRIER AB Industrial Goods & Services 15 13 30 95 65 -66% NIBE INDUSTRIER AB Industrial Goods & Services 15 13 30 95 65 -66% NIBE INDUSTRIER AB Industrial Goods & Services 15 13 30 95 65 -66% NIBE INDUSTRIER AB Industrial Goods & Services 15 13 30 95 65 -66% NIBE INDUSTRIER AB Industrial Goods & Services 15 13 30 95 65 -66% SCANDA B Industrial Goods & Services 15 13 30 95 65 -66% SCANDA B Industrial Goods & Services 15 13 30 95 65 -66% SCANDA B Industrial Goods & Services 15 13 30 95 65 -66% SCANDA B Industrial Goods & Services 15 13 30 95 65 -66% SCANDA B Industrial Goods & Services 15 13 30 95 65 -66% SCANDA B Industrial Goods & Services 15 13 30 95 65 -66% SCANDA B Industrial Goods & Services 15 13 30 95 65 -66% SCANDA B Industrial Goods & Services 15 13 30 95 65 -66% SCANDA B Industrial Goods & Services 15 12 109 43 -93% SCANDA B Industrial Goods & Services 15 12 109 43 -93% SCANDA B Industrial Goods & Services 100 53 79 119 40 -34% SCANDA B Industrial Goods & Services 100 53 79 119 40 -34% SCANDA B Industrial Goods & Services 100 53 79 119 40 -34% SCANDA B Industria | D. CARNEGIE & CO AB | Finance & Real Estate | /5 | 5 | 199 | 145 | 54 | 3/% |
| INVESTOR AB Finance & Real Estate 91 32 96 165 69 -428 JM AB Finance & Real Estate 62 12 104 166 61 -77% KUNGSLEDEN AB Finance & Real Estate 63 1 99 143 43 -31% L WALLENSTAM BYGGN. Finance & Real Estate 34 1 376 87 289 331% NORDEA BANK Finance & Real Estate 33 126 100 107 97 -90% SKANDINAVISKA ENSK Finance & Real Estate 147 101 107 218 110 -51% SWEDBANK AB Finance & Real Estate 15 48 162 250 88 -35% ASTRAZENECA PLC Health Care 75 13 88 158 70 -444% MEDA AB Health Care 16 5 13 131 118 -90% Q-MED AB Health Care 20 1 30 111 81 -73% Q-MED AB Health Care 20 1 30 </td <td>HUFVUDSTADEN AB</td> <td>Finance & Real Estate</td> <td>92</td> <td>1</td> <td>37</td> <td>77</td> <td>41</td> <td>-53%</td> | HUFVUDSTADEN AB | Finance & Real Estate | 92 | 1 | 37 | 77 | 41 | -53% |
| JM AB Finance & Real Estate 62 12 104 166 61 -37% KUNOSLEDEN AB Finance & Real Estate 10 3 200 108 91 85% L WALLENSTAM BYGGN Finance & Real Estate 63 1 99 143 43 -31% LUNDBERGRUPPENAB Finance & Real Estate 34 1 376 87 289 331% NORDEA BANK Finance & Real Estate 34 10 107 218 110 -51% SKADDINAVISKA ENSK Finance & Real Estate 147 101 107 218 110 -51% SWEDBANK AB Finance & Real Estate 15 48 162 250 88 -35% SATRAZENECA PLC Health Care 94 196 481 370 -111 30% GETINGE AB Health Care 75 13 88 158 70 -44% MEDA AB Health Care 20 1 30 111 81 -73% GETINGE AB Health Care 20 1 | INVESTOR AB | Finance & Real Estate | 91 | 32 | 96 | 165 | 69 | -42% |
| KUNGSLEDEN AB Finance & Real Estate 10 3 200 108 91 85% LUUNGBERGGRUPPEN AB Finance & Real Estate 34 1 376 87 289 331% NORDEA BANK Finance & Real Estate 33 126 10 107 97 -90% SKADDIANVISKA ENSK Finance & Real Estate 137 101 107 218 110 -51% SWEDBANK AB Finance & Real Estate 15 48 162 250 88 -35% ASTRAZENECA PLC Health Care 35 4 39 143 103 -73% GETINGE AB Health Care 75 13 88 158 70 -44% NOBEL BIOCARE HLDG Health Care 26 1 732 2018 1287 -64% Q-MED AB Health Care 20 1 30 111 81 -73% ASSA ABLOY AB Industrial Goods & Services 13 17 2 148 75 -51% SANDUSTRIE AB Industrial Goods & Services 15 <td>JM AB</td> <td>Finance & Real Estate</td> <td>62</td> <td>12</td> <td>104</td> <td>166</td> <td>61</td> <td>-37%</td> | JM AB | Finance & Real Estate | 62 | 12 | 104 | 166 | 61 | -37% |
| L WALLENSTAM BYGGN. Finance & Real Estate 63 1 99 143 43 -31% LUNGBERGGRUPPEN AB Finance & Real Estate 34 1 376 87 289 331% SKANDINAVISKA ENSK Finance & Real Estate 33 126 10 107 97 90% SKANDINAVISKA ENSK Finance & Real Estate 147 101 107 218 110 -51% SWEDBANK AB Finance & Real Estate 147 101 107 218 110 -51% SWEDBANK AB Finance & Real Estate 15 48 162 250 88 -35% ASTRAZENECA PLC Health Care 94 196 481 370 111 30% ELEKTA AB Health Care 75 13 88 158 70 -44% MEDA AB Health Care 16 5 13 131 118 -90% NOBEL BIOCARE HLDG Health Care 26 1 732 2018 1287 -64% Q-MED AB Health Care 20 1 30 111 81 -73% ASTRAZENECA PLC Industrial Goods & Services 115 173 27 122 95 -78% ASBA ABLOY AB Industrial Goods & Services 53 31 72 148 75 -51% ATLAS COPCO AB Industrial Goods & Services 58 5 34 112 78 -70% PEAB AB Industrial Goods & Services 58 5 34 112 78 -70% PEAB AB Industrial Goods & Services 58 5 34 112 78 -70% PEAB AB Industrial Goods & Services 58 5 34 112 78 -70% SAAD AB Industrial Goods & Services 58 5 34 112 78 -70% SAAD AB Industrial Goods & Services 145 72 66 97 31 -337% SAAB AB Industrial Goods & Services 145 72 66 97 31 -337% SAAD AB Industrial Goods & Services 145 72 66 97 31 -337% SAAD AB Industrial Goods & Services 145 72 66 97 31 -337% SAAD AB Industrial Goods & Services 145 72 66 97 31 -332% SCANIA AB Industrial Goods & Services 130 126 93 133 40 -30% SKF AB Industrial Goods & Services 130 126 93 133 40 -30% SKF AB Industrial Goods & Services 130 126 93 133 40 -30% SKF AB Industrial Goods & Services 130 126 93 133 40 -30% SKF AB Industrial Goods & Services 130 126 93 133 40 -30% SKF AB Industrial Goods & Services 130 126 93 133 40 -30% SKF AB Industrial Goods & Services 130 126 93 133 40 -30% SKF AB Industrial Goods & Services 130 126 93 133 40 -30% SKF AB Industrial Goods & Services 130 126 93 133 40 -30% SKF AB Industrial Goods & Services 130 126 93 133 40 -30% SKF AB Industrial Goods & Services 130 126 93 133 40 -30% SKF AB Industrial Goods & Services 130 126 93 133 40 -30% SKF AB Industrial Goods & Services 130 126 | KUNGSLEDEN AB | Finance & Real Estate | 10 | 3 | 200 | 108 | 91 | 85% |
| LUUNGBERGGRUPPEN AB Finance & Real Estate 34 1 376 87 289 331% NORDEA BANK Finance & Real Estate 33 126 10 107 97 97 SKANDINAVISKA ENSK Finance & Real Estate 147 101 107 218 110 -51% SWEDBANK AB Finance & Real Estate 15 48 162 250 88 -35% ASTRAZENECAPLC Health Care 94 196 481 370 111 30% ELEKTA AB Health Care 35 4 39 143 103 -73% GETINGE AB Health Care 16 5 13 131 118 -90% NOBEL BIOCARE HLDG Health Care 26 1 732 2018 1287 -64% Q-MEDA AB Health Care 26 1 732 2018 1287 -64% ABB LTD Industrial Goods & Services 115 173 77 122 95 -78% ASSA ABLOY AB Industrial Goods & Services 53 31 72 148 75 -51% ATLAS COPCO AB Industrial Goods & Services 53 31 72 148 75 -51% ATLAS COPCO AB Industrial Goods & Services 58 5 34 112 78 -70% PEAB AB Industrial Goods & Services 58 5 34 112 78 -70% PEAB AB Industrial Goods & Services 58 5 34 112 78 -70% SAAD AB Industrial Goods & Services 58 5 34 112 78 -70% SAAD AB Industrial Goods & Services 58 5 34 112 78 -70% SAAD AB Industrial Goods & Services 145 72 66 97 31 -37% SAAD AB Industrial Goods & Services 107 74 84 115 31 -27% SCAND AB Industrial Goods & Services 107 74 84 115 31 -27% SCAND AB Industrial Goods & Services 100 73 79 119 40 -33% SKAAB Industrial Goods & Services 130 126 93 133 40 -30% SKAAB Industrial Goods & Services 130 126 93 133 40 -30% SKAAB Industrial Goods & Services 130 126 93 133 40 -30% SKAAB Industrial Goods & Services 130 126 93 133 40 -30% SKAAB Industrial Goods & Services 130 126 93 133 40 -30% SKAAB Industrial Goods & Services 130 126 93 133 40 -30% SKAAB Industrial Goods & Services 130 126 93 133 40 -30% SKAAB Industrial Goods & Services 130 126 93 133 40 -30% SKAAB Industrial Goods & Services 130 126 93 133 40 -30% SKAAB Industrial Goods & Services 130 126 93 133 40 -30% SKAAB Industrial Goods & Services 130 126 93 133 40 -30% SKAAB Industrial Goods & Services 130 126 93 133 40 -30% SKAAB Industrial Goods & Services 130 126 93 133 40 -30% SKAAB Industrial Goods & Services 130 126 93 133 40 -30% SKAAB Industrial Goods & Services 130 126 93 133 40 -30% SKAAB In | L. WALLENSTAM BYGGN. | Finance & Real Estate | 63 | 1 | 99 | 143 | 43 | -31% |
| NORDEA BANK Finance & Real Estate 33 126 10 107 97 -90% SKANDINAVISKA ENSK Finance & Real Estate 147 101 107 218 110 -51% SKANDINAVISKA ENSK Finance & Real Estate 15 48 162 250 88 -35% ASTRAZENECA PLC Health Care 94 196 481 370 111 30% ELEKTA AB Health Care 35 4 39 143 103 -73% GETINGE AB Health Care 16 5 13 131 118 -90% NOBEL BIOCARE HLDG Health Care 26 1 732 2018 1287 -64% Q-MED AB Health Care 20 1 30 111 81 -73% ABLTD Industrial Goods & Services 13 13 30 95 -65 -63% ATLAS COPCO AB Industrial Goods & Services 14 1 36 97 61 -63% NIEAAGON AB Industrial Goods & Services 15 3 | LJUNGBERGGRUPPEN AB | Finance & Real Estate | 34 | 1 | 376 | 87 | 289 | 331% |
| SKANDINAVISKA ENSK Finance & Real Estate 147 101 107 218 110 -51% SWEDBANK AB Finance & Real Estate 15 48 162 250 88 -35% STRAZENECA PLC Health Care 94 196 481 370 111 30% ELEKTA AB Health Care 75 13 88 158 70 -44% MEDA AB Health Care 26 1 732 2018 1287 -64% Q-MED AB Health Care 20 1 30 111 81 -73% ABB LTD Industrial Goods & Services 115 173 27 122 95 -78% ASSA ABLOY AB Industrial Goods & Services 134 51 36 97 61 -63% MEXAGON AB Industrial Goods & Services 15 13 30 95 65 -68% SANDVIK AB Industrial Goods & Services 15 13 30 95 65 -68% SASA ABLOY AB Industrial Goods & Services 70 | NORDEA BANK | Finance & Real Estate | 33 | 126 | 10 | 107 | 97 | -90% |
| SWEDBANK AB Finance & Real Estate 15 48 162 250 88 -35% ASTRAZENECA PLC Health Care 94 196 481 370 111 30% CELKTA AB Health Care 35 4 39 143 103 -73% GETINGE AB Health Care 16 5 13 131 118 -90% MEDA AB Health Care 16 5 13 131 118 -90% O-MED AB Health Care 26 1 732 2018 1287 -64% Q-MED AB Health Care 20 1 30 111 81 -73% ASSA ABLOY AB Industrial Goods & Services 15 173 27 122 95 -51% ATLAS COPCO AB Industrial Goods & Services 13 30 95 65 -68% NIBE INDUSTRIER AB Industrial Goods & Services 13 30 34 54 20 -37% | SKANDINAVISKA ENSK | Finance & Real Estate | 147 | 101 | 107 | 218 | 110 | -51% |
| ASTRAZENECA PLC Health Care 94 196 481 370 111 30% ELEKTA AB Health Care 35 4 39 143 103 -73% GETINGE AB Health Care 75 13 88 158 70 -44% MEDA AB Health Care 16 5 13 131 118 -90% NOBEL BIOCARE HLDG Health Care 20 1 30 111 81 -73% ASB LTD Industrial Goods & Services 115 173 27 122 95 -78% ASSA ABLOY AB Industrial Goods & Services 13 30 95 65 -68% NIBE INDUSTRIER AB Industrial Goods & Services 58 5 34 112 78 -70% PEAB AB Industrial Goods & Services 70 21 134 214 79 -37% SANDVIK AB Industrial Goods & Services 75 5 152 109 43 39% SKANSKA AB Industrial Goods & Services 100 75 55 | SWEDBANK AB | Finance & Real Estate | 15 | 48 | 162 | 250 | 88 | -35% |
| ELEKTA AB Health Care 35 4 39 143 103 -73% GETINGE AB Health Care 75 13 88 158 70 -44% MEDA AB Health Care 16 5 13 131 118 -90% NOBEL BIOCARE HLDG Health Care 26 1 732 2018 1287 -64% Q-MED AB Health Care 20 1 30 111 81 -73% ABB LTD Industrial Goods & Services 115 173 27 122 95 -78% ASSA ABLOY AB Industrial Goods & Services 134 51 36 97 61 -63% ATLAS COPCO AB Industrial Goods & Services 15 13 30 95 65 -68% NIBE INDUSTRIER AB Industrial Goods & Services 15 13 30 94 20 -37% SAAB AB Industrial Goods & Services 107 74 84 115 31 -27% SCANIA AB Industrial Goods & Services 107 74 </td <td>ASTRAZENECA PLC</td> <td>Health Care</td> <td>94</td> <td>196</td> <td>481</td> <td>370</td> <td>111</td> <td>30%</td> | ASTRAZENECA PLC | Health Care | 94 | 196 | 481 | 370 | 111 | 30% |
| GETINGE AB Health Care 75 13 88 158 70 -44% MEDA AB Health Care 16 5 13 131 118 -90% NOBEL BIOCARE HLDG Health Care 26 1 732 2018 1287 -64% Q-MED AB Health Care 20 1 30 111 81 -73% ABB ITD Industrial Goods & Services 53 31 72 148 75 -51% ASSA ABLOY AB Industrial Goods & Services 53 31 72 148 75 -63% HEXAGON AB Industrial Goods & Services 15 13 30 95 65 -68% NIBE INDUSTRIER AB Industrial Goods & Services 78 53 34 112 78 -70% SAAB AB Industrial Goods & Services 72 66 97 31 -32% SCANIA AB Industrial Goods & Services 107 74 84 115 31 | ELEKTA AB | Health Care | 35 | 4 | 39 | 143 | 103 | -73% |
| MEDA AB Health Care 16 5 13 131 118 -90% NOBEL BIOCARE HLDG Health Care 26 1 732 2018 1287 -64% Q-MED AB Health Care 20 1 30 111 81 -73% ABB ITD Industrial Goods & Services 53 31 72 148 75 -51% ASSA ABLOY AB Industrial Goods & Services 134 51 36 97 61 -63% ATLAS COPCO AB Industrial Goods & Services 15 133 30 95 65 -68% NIBE INDUSTRIER AB Industrial Goods & Services 58 5 34 112 78 -70% PEAB AB Industrial Goods & Services 145 72 66 97 31 -32% SCANIA AB Industrial Goods & Services 107 74 84 115 31 -27% SECO TOOLS AB Industrial Goods & Services 100 53 79 <td>GETINGE AB</td> <td>Health Care</td> <td>75</td> <td>13</td> <td>88</td> <td>158</td> <td>70</td> <td>-44%</td> | GETINGE AB | Health Care | 75 | 13 | 88 | 158 | 70 | -44% |
| NOBEL BIOCARE HLDG Health Care 26 1 732 2018 1287 -64% Q-MED AB Health Care 20 1 30 111 81 -73% ABB LTD Industrial Goods & Services 115 173 27 122 95 -78% ASSA ABLOY AB Industrial Goods & Services 134 51 36 97 61 -63% ATLAS COPCO AB Industrial Goods & Services 15 13 30 95 65 -68% NIBE INDUSTRIER AB Industrial Goods & Services 58 5 34 112 78 -70% PEAB AB Industrial Goods & Services 148 30 34 54 20 -37% SAAB AB Industrial Goods & Services 145 72 66 97 31 -32% SCANIA AB Industrial Goods & Services 107 74 84 115 31 -27% SECO TOOLS AB Industrial Goods & Services 100 53 | MEDA AB | Health Care | 16 | 5 | 13 | 131 | 118 | -90% |
| Q-MED AB Health Care 20 1 30 111 81 -73% ABB ITD Industrial Goods & Services 115 173 27 122 95 -78% ASSA ABLOY AB Industrial Goods & Services 53 31 72 148 75 -51% ATLAS COPCO AB Industrial Goods & Services 134 51 36 97 61 -63% HEXAGON AB Industrial Goods & Services 15 13 30 95 65 -68% NIBE INDUSTRIER AB Industrial Goods & Services 78 30 34 54 20 -37% SAAB AB Industrial Goods & Services 70 21 134 214 79 -37% SANDVIK AB Industrial Goods & Services 107 74 84 115 31 -27% SCANIA AB Industrial Goods & Services 100 73 79 119 40 -34% SKANSKA AB Industrial Goods & Services 102 27 | NOBEL BIOCARE HLDG | Health Care | 26 | 1 | 732 | 2018 | 1287 | -64% |
| ABB LTD Industrial Goods & Services 115 173 27 122 95 -78% ASSA ABLOY AB Industrial Goods & Services 53 31 72 148 75 -51% ATLAS COPCO AB Industrial Goods & Services 134 51 36 97 61 -63% HEXAGON AB Industrial Goods & Services 15 13 30 95 65 -68% NIBE INDUSTRIER AB Industrial Goods & Services 15 34 112 78 -77% SAAB AB Industrial Goods & Services 48 30 34 54 20 -37% SAAB AB Industrial Goods & Services 70 21 134 214 79 -37% SAAD AB Industrial Goods & Services 107 74 84 115 31 -27% SCO TOOLS AB Industrial Goods & Services 130 126 93 133 40 -30% SKANSKA AB Industrial Goods & Services 100 53 79 119 40 -34% SKANSKA AB Industr | Q-MED AB | Health Care | 20 | 1 | 30 | 111 | 81 | -73% |
| ASSA ABLOY AB Industrial Goods & Services 53 31 72 148 75 -51% ATLAS COPCO AB Industrial Goods & Services 134 51 36 97 61 -63% HEXAGON AB Industrial Goods & Services 15 13 30 95 65 -68% NIBE INDUSTRIER AB Industrial Goods & Services 58 5 34 112 78 -70% PEAB AB Industrial Goods & Services 48 30 34 54 20 -37% SAAB AB Industrial Goods & Services 70 21 134 214 79 -37% SAANDVIK AB Industrial Goods & Services 107 74 84 115 31 -22% SCANIA AB Industrial Goods & Services 107 74 84 115 31 -27% SKANSKA AB Industrial Goods & Services 100 53 79 119 40 -34% SKF AB Industrial Goods & Services 100 53 79 119 40 -34% TRELLEBORG AB | ABB LTD | Industrial Goods & Services | 115 | 173 | 27 | 122 | 95 | -78% |
| ATLAS COPCO AB Industrial Goods & Services 134 51 36 97 61 -63% HEXAGON AB Industrial Goods & Services 15 13 30 95 65 -68% NIBE INDUSTRIER AB Industrial Goods & Services 58 5 34 112 78 -70% PEAB AB Industrial Goods & Services 70 21 134 214 79 -37% SAAB AB Industrial Goods & Services 70 21 134 214 79 -37% SANDVIK AB Industrial Goods & Services 70 21 134 214 79 -37% SCANIA AB Industrial Goods & Services 70 74 84 115 31 -27% SECO TOOLS AB Industrial Goods & Services 107 74 84 115 31 -27% SKANSKA AB Industrial Goods & Services 102 27 109 43 39% SKF AB Industrial Goods & Services 102 27 104 163 59 -36% ERICSSON AB Informat | ASSA ABLOY AB | Industrial Goods & Services | 53 | 31 | 72 | 148 | 75 | -51% |
| HEXAGON AB Industrial Goods & Services 15 13 30 95 65 -68% NIBE INDUSTRIER AB Industrial Goods & Services 58 5 34 112 78 -70% PEAB AB Industrial Goods & Services 48 30 34 54 20 -37% SAAB AB Industrial Goods & Services 70 21 134 214 79 -37% SANDVIK AB Industrial Goods & Services 145 72 66 97 31 -32% SCANIA AB Industrial Goods & Services 107 74 84 115 31 -27% SECO TOOLS AB Industrial Goods & Services 130 126 93 133 40 -30% SKANSKA AB Industrial Goods & Services 130 126 93 133 40 -34% TRELLEBORG AB Industrial Goods & Services 100 53 79 119 40 -34% LAWSON SOFTWARE INC Information Technology 32 3 0 52 52 -100% STORA ENSO O | ATLAS COPCO AB | Industrial Goods & Services | 134 | 51 | 36 | 97 | 61 | -63% |
| NIBE INDUSTRIER AB Industrial Goods & Services 58 5 34 112 78 -70% PEAB AB Industrial Goods & Services 48 30 34 54 20 -37% SAAB AB Industrial Goods & Services 70 21 134 214 79 -37% SANDVIK AB Industrial Goods & Services 145 72 66 97 31 -32% SCANIA AB Industrial Goods & Services 107 74 84 115 31 -27% SECO TOOLS AB Industrial Goods & Services 107 74 84 115 31 -27% SECO TOOLS AB Industrial Goods & Services 107 74 84 115 31 -27% SKANSKA AB Industrial Goods & Services 100 23 79 119 40 -34% SKF AB Industrial Goods & Services 102 27 104 163 59 -36% ERICSSON AB Information Technology 32 | HEXAGON AB | Industrial Goods & Services | 15 | 13 | 30 | 95 | 65 | -68% |
| PEAB AB Industrial Goods & Services 48 30 34 54 20 -37% SAAB AB Industrial Goods & Services 70 21 134 214 79 -37% SANDVIK AB Industrial Goods & Services 145 72 66 97 31 -32% SCANIA AB Industrial Goods & Services 107 74 84 115 31 -27% SECO TOOLS AB Industrial Goods & Services 107 74 84 115 31 -27% SECO TOOLS AB Industrial Goods & Services 130 126 93 133 40 -30% SKANSKA AB Industrial Goods & Services 100 53 79 119 40 -34% TRELLEBORG AB Industrial Goods & Services 102 27 104 163 59 -36% LAWSON SOFTWARE INC Information Technology 32 3 0 52 52 -100% SSAB SVENSKT STAL AB Materials 29 31 88 148 60 -40% STORA ENSO OYJ | NIBE INDUSTRIER AB | Industrial Goods & Services | 58 | 5 | 34 | 112 | 78 | -70% |
| SAAB AB Industrial Goods & Services 70 21 134 214 79 -37% SANDVIK AB Industrial Goods & Services 145 72 66 97 31 -32% SCANIA AB Industrial Goods & Services 107 74 84 115 31 -27% SECO TOOLS AB Industrial Goods & Services 75 5 152 109 43 39% SKANSKA AB Industrial Goods & Services 130 126 93 133 40 -30% SKF AB Industrial Goods & Services 100 53 79 119 40 -34% TRELLEBORG AB Industrial Goods & Services 102 27 104 163 59 -36% ERICSSON AB Information Technology 131 178 10 28 17 -63% LAWSON SOFTWARE INC Information Technology 32 3 0 52 52 -100% SSAB SVENSKT STAL AB Materials 29 31 88 148 60 -40% MILLICOM CELL. | PEAB AB | Industrial Goods & Services | 48 | 30 | 34 | 54 | 20 | -37% |
| SANDVIK AB Industrial Goods & Services 145 72 66 97 31 -32% SCANIA AB Industrial Goods & Services 107 74 84 115 31 -27% SECO TOOLS AB Industrial Goods & Services 75 5 152 109 43 39% SKANSKA AB Industrial Goods & Services 130 126 93 133 40 -30% SKF AB Industrial Goods & Services 100 53 79 119 40 -34% TRELLEBORG AB Industrial Goods & Services 102 27 104 163 59 -36% ERICSSON AB Information Technology 131 178 10 28 17 -63% LAWSON SOFTWARE INC Information Technology 32 3 0 52 52 -100% SSAB SVENSKT STAL AB Materials 29 31 88 148 60 -40% STORA ENSO OYJ Materials 660 136 141 110 31 28% MILLICOM CELL. Telecom <td>SAAB AB</td> <td>Industrial Goods & Services</td> <td>70</td> <td>21</td> <td>134</td> <td>214</td> <td>79</td> <td>-37%</td> | SAAB AB | Industrial Goods & Services | 70 | 21 | 134 | 214 | 79 | -37% |
| SCANIA AB Industrial Goods & Services 107 74 84 115 31 -27% SECO TOOLS AB Industrial Goods & Services 75 5 152 109 43 39% SKANSKA AB Industrial Goods & Services 130 126 93 133 40 -30% SKANSKA AB Industrial Goods & Services 100 53 79 119 40 -34% TRELLEBORG AB Industrial Goods & Services 102 27 104 163 59 -36% ERICSSON AB Information Technology 131 178 10 28 17 -63% LAWSON SOFTWARE INC Information Technology 32 3 0 52 52 -100% TIETOENATOR OYJ Information Technology 8 15 131 219 88 -40% SAB SVENSKT STAL AB Materials 29 31 88 148 60 -40% STORA ENSO OYJ Materials 660 136 141 110 31 28% MILLICOM CELL. Telecor | SANDVIK AB | Industrial Goods & Services | 145 | 72 | 66 | 97 | 31 | -32% |
| SECO TOOLS AB Industrial Goods & Services 75 5 152 109 43 39% SKANSKA AB Industrial Goods & Services 130 126 93 133 40 -30% SKF AB Industrial Goods & Services 100 53 79 119 40 -34% TRELLEBORG AB Industrial Goods & Services 102 27 104 163 59 -36% ERICSSON AB Information Technology 131 178 10 28 17 -63% LAWSON SOFTWARE INC Information Technology 32 3 0 52 52 -100% TIETOENATOR OYJ Information Technology 8 15 131 219 88 -40% SSAB SVENSKT STAL AB Materials 29 31 88 148 60 -40% STORA ENSO OYJ Materials 660 136 141 110 31 28% MILLICOM CELL. Telecom 17 12 0 | SCANIA AB | Industrial Goods & Services | 107 | 74 | 84 | 115 | 31 | -27% |
| SKANSKA AB Industrial Goods & Services 130 126 93 133 40 -30% SKF AB Industrial Goods & Services 100 53 79 119 40 -34% TRELLEBORG AB Industrial Goods & Services 102 27 104 163 59 -36% ERICSSON AB Information Technology 131 178 10 28 17 -63% LAWSON SOFTWARE INC Information Technology 32 3 0 52 52 -100% TIETOENATOR OYJ Information Technology 8 15 131 219 88 -40% SSAB SVENSKT STAL AB Materials 29 31 88 148 60 -40% STORA ENSO OYJ Materials 660 136 141 110 31 28% MILLICOM CELL. Telecom 17 12 0 429 -100% TELE2 AB Telecom 14 50 61 100 39 -39% | SECO TOOLS AB | Industrial Goods & Services | 75 | 5 | 152 | 109 | 43 | 39% |
| SKF AB Industrial Goods & Services 100 53 79 119 40 -34% TRELLEBORG AB Industrial Goods & Services 102 27 104 163 59 -36% ERICSSON AB Information Technology 131 178 10 28 17 -63% LAWSON SOFTWARE INC Information Technology 32 3 0 52 52 -100% TIETOENATOR OYJ Information Technology 8 15 131 219 88 -40% SSAB SVENSKT STAL AB Materials 29 31 88 148 60 -40% STORA ENSO OYJ Materials 660 136 141 110 31 28% MILLICOM CELL. Telecom 17 12 0 429 -100% TELE2 AB Telecom 14 50 61 100 39 -39% | SKANSKA AB | Industrial Goods & Services | 130 | 126 | 93 | 133 | 40 | -30% |
| TRELLEBORG ABIndustrial Goods & Services1022710416359-36%ERICSSON ABInformation Technology131178102817-63%LAWSON SOFTWARE INCInformation Technology32305252-100%TIETOENATOR OYJInformation Technology81513121988-40%SSAB SVENSKT STAL ABMaterials29318814860-40%STORA ENSO OYJMaterials6601361411103128%MILLICOM CELL.Telecom17120429429-100%TELE2 ABTelecom14506110039-39% | SKE AB | Industrial Goods & Services | 100 | 53 | 79 | 119 | 40 | -34% |
| ERICSSON ABInformation Technology1311781012817-63%LAWSON SOFTWARE INCInformation Technology32305252-100%TIETOENATOR OYJInformation Technology81513121988-40%SSAB SVENSKT STAL ABMaterials29318814860-40%STORA ENSO OYJMaterials6601361411103128%MILLICOM CELL.Telecom17120429429-100%TELE2 ABTelecom14506110039-39% | | Industrial Goods & Services | 102 | 27 | 104 | 163 | 59 | -36% |
| LAWSON SOFTWARE INCInformation Technology32310101017103/8LAWSON SOFTWARE INCInformation Technology32305252-100%TIETOENATOR OYJInformation Technology81513121988-40%SSAB SVENSKT STAL ABMaterials29318814860-40%STORA ENSO OYJMaterials6601361411103128%MILLICOM CELL.Telecom17120429429-100%TELE2 ABTelecom14506110039-39% | FRICSSON AB | Information Technology | 121 | 178 | 10 | 205 | 17 | -63% |
| TIETOENATOR OYJ Information Technology 82 15 131 219 88 -40% SSAB SVENSKT STAL AB Materials 29 31 88 148 60 -40% STORA ENSO OYJ Materials 660 136 141 110 31 28% MILLICOM CELL. Telecom 17 12 0 429 429 -100% TELE2 AB Telecom 14 50 61 100 39 -39% | | Information Technology | 22 | 7,0 | 0 | 52 | 50 | -100% |
| SSAB SVENSKT STAL AB Materials 29 31 88 148 60 -40% STORA ENSO OYJ Materials 660 136 141 110 31 28% MILLICOM CELL. Telecom 17 12 0 429 429 -100% TELE2 AB Telecom 14 50 61 100 39 -39% | | Information Technology | <u>م</u> | 15 | 121 | 52 210 | 90 | -100/8 |
| STORA ENSO OYJ Materials 25 51 60 140 60 -40% STORA ENSO OYJ Materials 660 136 141 110 31 28% MILLICOM CELL. Telecom 17 12 0 429 429 -100% TELE2 AB Telecom 14 50 61 100 39 -39% | | Materials | 0 20 | 10 | 00 | 219 | 60 60 | -40% |
| STORA ENSOURJ Materials 000 136 141 110 31 28% MILLICOM CELL. Telecom 17 12 0 429 429 -100% TELE2 AB Telecom 14 50 61 100 39 -39% | | Matorials | 29 | 31 126 | 00 | 140 | 00 | -40% |
| TELE2 AB Telecom 17 12 0 429 429 -100% TELE2 AB Telecom 14 50 61 100 39 -39% | | ivialeridis Talacom | 000 | 130 | 141 | 110 | 31 | 28% 100% |
| TELEZ AB TELECOM 14 50 61 100 39 -39% | | Talasam | 1/ | 12 | 0 | 429 | 429 | -100% |
| | IELEZ AB | relecom | 14 | 50 | 61 | 100 | 39 | -39% |

Table 9-14 SRIV values when risk premium set to 6 percent, grouped according to good and bad results respectively.

| Company | Industry | Age | Turnover | SRIV Value | Actual Price | Absolute diff | Percentage diff. |
|--|--|-----------------|-----------------|------------------|-------------------|---------------|------------------|
| AXFOOD AB | Consumer Goods | 44 | 29 | 339 | 276 | 64 | 23% |
| ELECTROLUX AB | Durables | 88 | 104 | 99 | 115 | 16 | -14% |
| HENNES & MAURITZ AB | Durables | 60 | 68 | 323 | 344 | 21 | -6% |
| D. CARNEGIE & CO AB | Finance & Real Estate | 75 | 5 | 110 | 145 | 35 | -24% |
| OMX AB | Finance & Real Estate | 22 | 3 | 114 | 125 | 11 | -9% |
| SKANDINAVISKA ENSK | Finance & Real Estate | 147 | 101 | 186 | 218 | 32 | -15% |
| SV. HANDELSBANKEN AB | Finance & Real Estate | 136 | 79 | 241 | 209 | 32 | 16% |
| SWEDBANK AB | Finance & Real Estate | 15 | 48 | 243 | 250 | 7 | -3% |
| GETINGE AB | Health Care | 75 | 13 | 154 | 158 | 4 | -3% |
| AB VOLVO | Industrial Goods & Services | 80 | 259 | 83 | 91 | 8 | -8% |
| ASSA ABLOY AB | Industrial Goods & Services | 53 | 31 | 117 | 148 | 31 | -21% |
| HEXAGON AB | Industrial Goods & Services | 15 | 13 | 72 | 95 | 23 | -24% |
| PEAB AB | Industrial Goods & Services | 48 | 30 | 65 | 54 | 10 | 19% |
| SAAB AB | Industrial Goods & Services | 70 | 21 | 197 | 214 | 16 | -8% |
| SANDVIK AB | Industrial Goods & Services | 145 | 72 | 102 | 97 | 5 | 5% |
| SCANIA AB | Industrial Goods & Services | 107 | 74 | 140 | 115 | 25 | 22% |
| SKEAB | Industrial Goods & Services | 100 | 53 | 116 | 119 | | -3% |
| | Industrial Goods & Services | 102 | 27 | 124 | 163 | 20 | -24% |
| SVENSKA CELLUI OSA AR | Materials | 78 | 101 | 132 | 120 | 12 | 10% |
| | Telecom | 87 | Q1 | 60 | 57 | 3 | 5% |
| 70 TELIASONEINA AB | Telecom | 87 77 | 91 61 | 00 | 57 | 3 20 | _ 3% |
| 20 | | | 01 | | | 20 | -370 |
| | | | _ | · | | | |
| Company | Industry | Age | Turnover | SRIV Value | Actual Price | Absolute diff | Percentage diff. |
| SWEDISH MATCH AB | Consumer Goods | 90 | 13 | 267 | 127 | 141 | 111% |
| AUTOLIV, INC. | Durables | 51 | 44 | 580 | 417 | 163 | 39% |
| MODERN TIMES GRP MTG | Durables | 12 | 10 | 291 | 444 | 153 | -34% |
| CASTELLUM AB | Finance & Real Estate | 14 | 2 | 46 | 93 | 47 | -51% |
| FABEGE AB | Finance & Real Estate | 83 | 2 | 14 | 88 | 74 | -84% |
| HUFVUDSTADEN AB | Finance & Real Estate | 92 | 1 | 3 | 77 | 74 | -96% |
| INVESTOR AB | Finance & Real Estate | 91 | 32 | 101 | 165 | 64 | -39% |
| JM AB | Finance & Real Estate | 62 | 12 | 235 | 166 | 69 | 42% |
| KUNGSLEDEN AB | Finance & Real Estate | 10 | 3 | 21 | 108 | 87 | -80% |
| L. WALLENSTAM BYGGN. | Finance & Real Estate | 63 | 1 | -27 | 143 | 169 | -119% |
| LJUNGBERGGRUPPEN AB | Finance & Real Estate | 34 | 1 | 211 | 87 | 124 | 142% |
| NORDEA BANK | Finance & Real Estate | 33 | 126 | -15 | 107 | 122 | -114% |
| ASTRAZENECA PLC | Health Care | 94 | 196 | 15 | 370 | 355 | -96% |
| ELEKTA AB | Health Care | 35 | 4 | 101 | 143 | 42 | -29% |
| MEDA AB | Health Care | 16 | 5 | 61 | 131 | 71 | -54% |
| NOBEL BIOCARE HLDG | Health Care | 26 | 1 | 713 | 2018 | 1306 | -65% |
| Q-MED AB | Health Care | 20 | 1 | 50 | 111 | 60 | -55% |
| ABB LTD | Industrial Goods & Services | 115 | 173 | 88 | 122 | 34 | -28% |
| ATLAS COPCO AB | Industrial Goods & Services | 134 | 51 | 70 | 97 | 27 | -28% |
| NCC AB | Industrial Goods & Services | 19 | 56 | 265 | 188 | 78 | 42% |
| NIBE INDUSTRIER AB | Industrial Goods & Services | 58 | 5 | 60 | 112 | 52 | -47% |
| SECO TOOLS AB | Industrial Goods & Services | 75 | 5 | 180 | 109 | 71 | 65% |
| SECURITAS AB | Industrial Goods & Services | 73 | 61 | 73 | 106 | 22 | -31% |
| SKANSKA AB | Industrial Goods & Services | 130 | 126 | 99 | 133 | 34 | -26% |
| FRICSSON AB | Information Technology | 130 | 178 | 16 | 28 | 12 | -43% |
| LAWSON SOFTWARE INC | Information Technology | 27 | 1,0 | 52 10 | 52 | 10 | -27% |
| | Information Technology | 22 Q | 15 | 55 10⊑ | | 11/ | -57% |
| | Materials | 122 | 10 | 103 | 213 | 114 | -52/0 |
| | IVIALEITAIS | 152 | 19 | 200 | 5U3 140 | 122 | -43% |
| CCAD CVENCET CTAL AD | Matorials | 20 | - 10 | 1 /1 /- | | | |
| SSAB SVENSKT STAL AB | Materials Materials | 29 | 31 | 244 | 140 | 90 | 00% |
| SSAB SVENSKT STAL AB STORA ENSO OYJ | Materials Materials Talacam | 29 660 | 31 136 | 244 76 | 148 | 34 | -31% |
| SSAB SVENSKT STAL AB STORA ENSO OYJ MILLICOM CELL. | Materials Materials Telecom Telecom | 29 660 17 | 31 136 12 | 244 76 623 | 148 110 429 | 34 194 | -31% 45% |

Table 9-15 SAEG values when risk premium set to 6 percent, grouped according to good and bad results respectively.

| AFFCOD AB Consumer Goods 44 29 309 276 34 12% SVEDDSH MARCH AB Consumer Goods 90 13 97 127 80 22% AUTOUV, INC. Durables 51 44 328 417 89 22% AUTOUV, INC. Durables 51 44 328 417 89 22% AUTOUV, INC. Health Care 10 3 135 108 27 22% AUTOUV, INC. Health Care 94 196 332 370 38 100 SECO TODUS AB Industriel Goods & services 75 5 105 109 4 -4% SYDENSA CELLULOSA B Materials 60 136 97 100 13 -12% SUECTSOLUX AB Durables 88 104 50 115 65 -57% ELCTROLUX AB Durables 80 6 60 68 250 34 -27% <th>Company</th> <th>Industry</th> <th>Aae</th> <th>Turnover</th> <th>SAFG Value</th> <th>Actual Price</th> <th>Absolute diff.</th> <th>Percentage diff.</th> | Company | Industry | Aae | Turnover | SAFG Value | Actual Price | Absolute diff. | Percentage diff. |
|---|----------------------|-----------------------------|----------|----------|------------|--------------|----------------|------------------|
| SWEEDRMATCH AB Consumer Goods 90 13 97 127 80 24% AUTOLV, MC, Durables 51 144 328 417 89 22% D. CARNEGIE & CO AB Finance & Real Estate 10 3 135 108 27 25% ASTRAZENCA PLC Health Care 94 196 332 370 38 -10% SCO TOOLS AM Industrial Goods & Services 75 5 100 4 4% STORA ENSO OY Materialis 78 101 93 120 27 -22% SCOTOLS AND Materialis 78 111 59 30 -7% Company Industry Age Turnover SAEG Value Actual Price Absolute diff. Percentage diff. ELCTROLVA AB Durables 60 68 250 344 94 -27% MODERN TIMES GRP MIG Durables 61 21 21 25 77 52 4 | AXFOOD AB | Consumer Goods | 44 | 29 | 309 | 276 | 34 | 12% |
| AUTCUN, NIC. Durables 51 44 328 417 89 -218 CARNEGIE & CO.AB Finance & Real Estate 10 3 135 108 27 75% KUNGSLEDEN AB Finance & Real Estate 10 3 135 108 27 25% STEO TOOLS AB Industrial Goods & Services 75 5 105 109 4 44% SYENSKA CELLULOSA AB Materials 660 136 78 101 93 120 27 -22% SYENSKA CELLULOSA AB Durables 88 104 50 115 66 -77% 51 143 74 22% 77 23 30 -72% UNDERNT IMSK GR MTG Durables 10 132 6444 311 -70% 64 -50% 115 65 -57% 515 100 0-61% -41% -74% 44 -24% -21% 145 -57% 101 103 -22% -25% <td>SWEDISH MATCH AB</td> <td>Consumer Goods</td> <td>90</td> <td>13</td> <td>97</td> <td>127</td> <td>30</td> <td>-24%</td> | SWEDISH MATCH AB | Consumer Goods | 90 | 13 | 97 | 127 | 30 | -24% |
| D. CARNEGIE & CO AB KUNGSLEDK HAB Finance & Real Estate 10 3 135 108 27 25% ASTMAZINECA PLC Health Care 94 196 312 370 109 44 -4% STORA ENSO CVI Materials Goods & Services 75 70 105 109 44 -4% STORA ENSO CVI Materials 778 101 97 110 13 -12% 9 131 59 70 70 70 70 70 70 70 70 70 70 | AUTOLIV, INC. | Durables | 51 | 44 | 328 | 417 | 89 | -21% |
| KUNSSLEEN AB ASTRAZENCE APLC Finance & Real Estate 10 3 135 108 27 25% STEO ZOLS AB Industrial Goods & Services 75 5 105 109 4 44% SVENSA CELLULOSA AB Industrial Goods & Services 75 5 105 109 4 44% SVENSA CELLULOSA AB Industrial Goods & Services 78 101 93 120 27 -22% SVENSA CELLULOSA AB Industrial Materials 78 101 93 120 27 -22% Company Industry Age Turnover SAEG Value Actual Price Absolute diff. Percentage diff. ELECTROLIVA B Durables 60 68 250 115 65 -57% MODENT TIMES GRP MTG Durables 12 10 132 444 311 -77% 52 -68% INVESTOR AB Finance & Real Estate 92 1 25 77 52 -68% INVESTOR AB Finance & Real Estate 91 <t< td=""><td>D. CARNEGIE & CO AB</td><td>Finance & Real Estate</td><td>75</td><td>5</td><td>135</td><td>145</td><td>10</td><td>-7%</td></t<> | D. CARNEGIE & CO AB | Finance & Real Estate | 75 | 5 | 135 | 145 | 10 | -7% |
| ASTINZAPILCA PLC Health Care 94 196 332 370 38 -10% STORA ENSO CY Materials 57 5 105 109 4 -4% STORA ENSO CY Materials 660 136 97 110 13 -12% SVENSK CELLUICSA AB Materials 78 5 131 59 30 -7% Company Industry Age Turnover SAEG Value Actual Price Absolute diff. Percentage diff. ELECTROLUX AB Durables 60 68 250 314 94 -27% MODERN TIMES GRP MTG Durables 12 10 132 444 311 -70% KATELUM AB Finance & Real Estate 12 10 132 444 311 -65% CATELUM AB Finance & Real Estate 132 265 165 100 -65% IVFVIDEN AB Finance & Real Estate 13 126 7 107 120 | KUNGSLEDEN AB | Finance & Real Estate | 10 | 3 | 135 | 108 | 27 | 25% |
| SECO TOQUES AB STORA FINSO OVI Materials Industrial Goods & Services SVENSKA CELLULOSA AB Materials To 75 5 105 109 4 -4% -4% SVENSKA CELLULOSA AB P Materials 78 101 93 120 27 -22% SVENSKA CELLULOSA AB P Industry Age Turnover SAEG Value Actual Price Absolute diff. Percentage diff. Company Industry Age Turnover SAEG Value Actual Price Absolute diff. Percentage diff. LECTROULX AB Durables 60 68 250 115 65 57% MODERN TIMSE GRP MTG Durables 12 10 132 444 311 -77% ABEGLAB Finance & Real Estate 92 1 25 77 57 52 -88% LIVAUSTOR AB Finance & Real Estate 92 1 25 77 57 52 -42% LIVAUSTOR AB Finance & Real Estate 92 12 11 13 -224 226 </td <td>ASTRAZENECA PLC</td> <td>Health Care</td> <td>94</td> <td>196</td> <td>332</td> <td>370</td> <td>38</td> <td>-10%</td> | ASTRAZENECA PLC | Health Care | 94 | 196 | 332 | 370 | 38 | -10% |
| STORA RNSO OVI SVENSKA CELLULOSA AB Partialis Materialis Materialis 660 78 136 79 97 110 13 720 127 722% SVENSKA CELLULOSA AB Partialis Materialis Materialis 660 78 131 79 59 30 7% Company ELECTROLUX AB MODERN TIMES GIP MTG CASTELLUM AB Finance & Real Estate 12 10 132 10 23 12 60 115 65 5 57% 5 CASTELLUM AB HUPSUDSTADEN AB Finance & Real Estate 13 12 10 132 13 12 10 132 13 13 10 132 444 13 11 133 776 CASTELLUM AB Finance & Real Estate 13 12 10 12 13 12 10 132 13 12 10 133 12 12 10 133 12 13 10 133 10 133 10 133 11 13 77 13 10 10 10 10 133 10 10 133 10 10 133 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | SECO TOOLS AB | Industrial Goods & Services | 75 | 5 | 105 | 109 | 4 | -4% |
| SVENSKA CELLULOSA B Materials 78 101 93 120 27 -22% S 131 59 30 -7% Company Industry Age Turnover SAEG Value Actual Price Absolute diff. Percentage diff. LECTROLUX AB Durables 60 68 250 344 94 -27% MODENN TIMES GRP MTG Durables 12 10 132 444 311 -70% SATELLUMAB Finance & Real Estate 14 2 47 93 46 -50% FABEGEA B Finance & Real Estate 13 265 155 100 -61% INVESTOR AB Finance & Real Estate 63 1 68 143 74 -52% IUNGBERGENPEN AB Finance & Real Estate 91 32 65 155 100 -61% SCANDINAVISKA ENSK Finance & Real Estate 13 131 224 2256% NORDEA BANK Finanace & Real Es | STORA ENSO OYJ | Materials | 660 | 136 | 97 | 110 | 13 | -12% |
| 9 131 59 30 7% Company Industry Reg Turnover SAEG Value Actual Price Absolute diff. Percentage diff. ELECTROLUX AB Durables 60 68 250 344 94 -27% MODENN TIMES GRP MTG Durables 12 10 132 444 311 -77% CASTELLUMAB Finance & Real Estate 18 2 51 88 37 -428 NUSSIOR AB Finance & Real Estate 92 1 25 77 52 -688 INVESIOR AB Finance & Real Estate 92 1 25 77 52 -688 INVESIOR AB Finance & Real Estate 92 12 71 166 95 -578 INVAB Finance & Real Estate 34 1 311 87 224 258 INVAB REGR Finance & Real Estate 14 131 87 224 258 INVAB REGR Fi | SVENSKA CELLULOSA AB | Materials | 78 | 101 | 93 | 120 | 27 | -22% |
| Company Industry Age ELECTROLIVA /B HENNES & MAURITZ AB Durables Turnover 58 AEG Value Actual Price Absolute diff. Percentage diff. HENNES & MAURITZ AB HENNES & MAURITZ AB DURABLES Durables 60 68 250 344 94 -27% MODERN TIMES GRP MTG FABEGE AB Durables 12 10 132 444 311 -70% CASTELLUM AB Finance & Real Estate 81 2 51 88 37 -42% INVESTOR AB Finance & Real Estate 91 32 65 165 100 -61% MA B Finance & Real Estate 91 32 65 165 100 -61% UNGERGERGENPEN AB Finance & Real Estate 34 1 311 87 224 25% VILNOBERGERGENPEN AB Finance & Real Estate 33 126 7 100 -93% VILNOBERGERGENPEN AB Finance & Real Estate 137 131 224 256% VILNOBERGERGENEEN AB Finance & Real Estate 137 | 9 | | 131 | 59 | | | 30 | -7% |
| Company Industry Age Turnover SAEG Value Actual Price Absolute diff. Percentage diff. ELECTROLUX AB Durables 60 68 200 3144 94 -273% MODERN TIMES GRP MTC Durables 12 10 132 4444 311 -708 CASTELLUM AB Finance & Real Estate 83 2 51 88 37 -425% HUFVDDTADEN AB Finance & Real Estate 91 32 65 165 100 -615% INVESTOR AB Finance & Real Estate 91 32 65 165 100 -615% INVESTOR AB Finance & Real Estate 91 32 65 165 100 -57% LUNGBERGGRUPPEN AB Finance & Real Estate 13 116 79 131 27 42 256% NORDEA BANKE Finance & Real Estate 12 3 78 125 47 -38% SKANDINAVISKA ENK Finance & Real Estate 1 | | | | | | | | |
| ELECTOLUX AB Durables 88 104 50 115 65 -57% HONDES AMARITZ AB Durables 12 10 132 444 311 -70% CASTELLUM AB Finance & Real Estate 14 2 47 93 46 -50% FABGE AB Finance & Real Estate 92 1 25 77 52 -68% MUSTOR AB Finance & Real Estate 92 1 25 77 52 -68% INVESTOR AB Finance & Real Estate 63 1 68 143 74 -52% UNDEERGGRUPPEN AB Finance & Real Estate 13 126 7 107 100 -93% SKANDINAVISA ENA Finance & Real Estate 13 126 7 107 100 -93% SV. HANDELSBANKEN AB Finance & Real Estate 13 127 131 120 97 -37% SV. HANDELSBANKEN AB Finance & Real Estate 15 48 110 <t< td=""><td>Company</td><td>Industry</td><td>Age</td><td>Turnover</td><td>SAEG Value</td><td>Actual Price</td><td>Absolute diff.</td><td>Percentage diff.</td></t<> | Company | Industry | Age | Turnover | SAEG Value | Actual Price | Absolute diff. | Percentage diff. |
| HENNES & MAURITZ AB Durables 60 68 250 344 94 -778 MODERN TIMES GRP MTG Durables 12 10 132 444 311 -708 CASTELLUM AB Finance & Real Estate 83 2 51 88 37 -428 INVESTOR AB Finance & Real Estate 91 32 65 165 100 -618 INVESTOR AB Finance & Real Estate 91 32 65 165 100 -518 LWALLENSTAM BYGON. Finance & Real Estate 33 126 7 107 100 -938 OMX AB Finance & Real Estate 13 125 47 -388 SV. HANDELSBANKEN AB Finance & Real Estate 13 10 200 140 -568 SV. HANDELSBANKEN AB Finance & Real Estate 147 101 72 218 145 -678 SV. HANDELSBANKEN AB Finance & Real Estate 147 101 72 138 122 | ELECTROLUX AB | Durables | 88 | 104 | 50 | 115 | 65 | -57% |
| NODERN TIMES GRP MTG Durables 12 10 132 444 311 -70% CASTELLUM AB Finance & Real Estate 14 2 47 93 46 -50% PABGGE AB Finance & Real Estate 92 1 25 77 52 -68% NUVESTOR AB Finance & Real Estate 92 1 25 77 52 -68% JM AB Finance & Real Estate 91 32 65 165 100 -61% JM AB Finance & Real Estate 62 12 71 166 95 -57% LVALLENSTAM BYGGN Finance & Real Estate 33 126 7 100 -93% ONDEA BANK Finance & Real Estate 13 101 72 218 145 -67% SV. HADDELSBANKEN AB Finance & Real Estate 136 17 131 209 77 -37% SWEDDANKA AB Finance & Real Estate 156 8 101 250 140< | HENNES & MAURITZ AB | Durables | 60 | 68 | 250 | 344 | 94 | -27% |
| CASTELLUM AB Finance & Real Estate 14 2 47 93 46 -50% FABEGE AB Finance & Real Estate 32 51 88 37 -42% HUVUDSTADEN AB Finance & Real Estate 92 1 25 77 52 -68% INVESTOR AB Finance & Real Estate 91 32 65 165 100 -61% M AB Finance & Real Estate 92 1 32 71 166 95 -57% L WALLENSTAM BYGN. Finance & Real Estate 33 1 68 143 74 -52% UNIOEER GRUPPEN AB Finance & Real Estate 33 126 7 107 100 -93% SWAAB Finance & Real Estate 147 101 72 218 145 -67% SV. HANDELSBANKEN Finance & Real Estate 136 79 131 209 77 -37% SWEDBANK AB Finance & Real Estate 15 48 110 250 140 -56% ELEKTA AB Health Care 35 4 27 143 116 -81% MEDA AB Health Care 15 53 4 10 250 140 -56% ELEKTA AB Health Care 16 5 9 131 229 77 -37% AB VORLAB Health Care 16 5 9 131 122 -93% AB VOLVO Industrial Goods & Services 13 31 49 148 99 -67% AS VABUNO Industrial Goods & Services 13 31 49 97 72 -75% AB VOLVO Industrial Goods & Services 13 31 24 97 72 -75% ALSON AB Industrial Goods & Services 13 31 24 97 72 -75% ALSON AB Industrial Goods & Services 13 31 24 97 72 -75% ALSON AB Industrial Goods & Services 13 31 24 97 72 -75% ALSON AB Industrial Goods & Services 13 31 24 97 72 -75% ALSON AB Industrial Goods & Services 13 31 24 97 72 -75% ALSON AB Industrial Goods & Services 13 31 24 97 72 -75% ALSON AB Industrial Goods & Services 13 31 24 97 72 -75% ALSOC AB Industrial Goods & Services 13 31 24 97 72 -75% ALSOC AB Industrial Goods & Services 13 31 24 97 72 -75% ALSOC AB Industrial Goods & Services 13 31 24 97 72 -75% ALSOC AB Industrial Goods & Services 13 31 24 97 72 -75% ALSOC AB Industrial Goods & Services 13 31 24 97 72 -75% ALSOC AB Industrial Goods & Services 13 31 24 97 72 -75% ALSOC AB Industrial Goods & Services 13 31 24 97 72 -75% ALSOC AB Industrial Goods & Services 13 31 25 30 32 54 31 -57% SAR AB Industrial Goods & Services 145 72 45 97 52 -54% XANDIK AB Industrial Goods & Services 13 51 26 53 133 70 -57% SAR AB Industrial Goods & Services 13 51 26 50 106 49 -77% SAR AB Industrial Goods & Services 13 51 26 50 106 49 -75% SAR AB Industrial Goods & Services 13 50 | MODERN TIMES GRP MTG | Durables | 12 | 10 | 132 | 444 | 311 | -70% |
| FABEC AB Finance & Real Estate 93 2 51 88 37 -42% HUFVUDSTADEN AB Finance & Real Estate 92 1 25 77 52 -68% INVESTOR AB Finance & Real Estate 92 1 25 165 100 -61% JM AB Finance & Real Estate 62 12 71 166 95 -57% LWALENSTAM BYGGN. Finance & Real Estate 63 1 68 143 74 -52% NORDEA BANK Finance & Real Estate 33 126 7 100 -93% OMX AB Finance & Real Estate 12 3 78 125 47 -38% SVE DAANK AB Finance & Real Estate 13 79 131 209 77 -37% SVE DAANK AB Finance & Real Estate 15 4 17 101 20 140 -56% SVE DAANK AB Health Care 75 13 61 158 | CASTELLUM AB | Finance & Real Estate | 14 | 2 | 47 | 93 | 46 | -50% |
| HUFUNDSTADEN AB Finance & Real Estate 91 22 1 25 77 52 -68% INVESTOR AB Finance & Real Estate 91 32 65 165 100 -61% IM AB Finance & Real Estate 62 12 71 166 95 -57% L WALLENSTAM BYGON Finance & Real Estate 33 126 7 107 100 -93% UNDEREGROUPPEN AB Finance & Real Estate 32 78 125 47 -38% SKANDINAVISKA ENSK Finance & Real Estate 137 107 100 -93% SV. HANDELSBANKEN AB Finance & Real Estate 137 125 47 -37% SV. HANDELSBANKEN AB Finance & Real Estate 136 79 131 209 77 -78% SV. HANDELSBANKEN AB Finance & Real Estate 136 116 59 131 112 -93% GETINGE AB Health Care 16 5 9 131 122 -93 | FABEGE AB | Finance & Real Estate | 83 | 2 | 51 | 88 | 37 | -42% |
| INVESTOR AB Finance & Real Estate 91 32 65 165 100 -61% JM AB Finance & Real Estate 62 12 71 166 95 -57% LWALLENSTAM BYGGN. Finance & Real Estate 63 1 381 374 -528 LUNDRDER GRUPPEN AB Finance & Real Estate 33 126 7 107 100 -93% OMX AB Finance & Real Estate 22 3 78 125 47 -38% SKANDINAVISKA ENSK Finance & Real Estate 136 79 131 209 77 -37% SWEDBANK AB Finance & Real Estate 15 48 110 250 140 -56% ELEKTA AB Health Care 75 13 61 158 97 -61% MOEL BIOCARE HLDG Health Care 26 1 2011 90 -82% AB VOLVO Industrial Goods & Services 13 149 148 99 -67% | HUFVUDSTADEN AB | Finance & Real Estate | 92 | 1 | 25 | 77 | 52 | -68% |
| JM AB Finance & Real Estate 62 12 71 166 95 -57% L WALLENSTAM BYGGN. Finance & Real Estate 63 1 68 143 74 -528 LUNDEBERGRUPPEN AB Finance & Real Estate 34 1 311 87 224 2568 NORDEA BANK Finance & Real Estate 33 126 7 107 100 -93% OMX AB Finance & Real Estate 147 101 72 218 145 -67% SV. HANDELSBANKEN AB Finance & Real Estate 147 101 72 218 145 -67% SWEDDANK AB Finance & Real Estate 156 79 131 209 77 -37% SWEDDANK AB Health Care 75 13 61 158 97 -618 MEDA AB Health Care 26 1 501 208 158 -75% Q-MED AB Health Care 26 1 501 208 <td< td=""><td>INVESTOR AB</td><td>Finance & Real Estate</td><td>91</td><td>32</td><td>65</td><td>165</td><td>100</td><td>-61%</td></td<> | INVESTOR AB | Finance & Real Estate | 91 | 32 | 65 | 165 | 100 | -61% |
| L WALLENSTAM BYGGN. Finance & Real Estate 63 1 68 143 74 52% LUWAGERGGRUPPEN AB Finance & Real Estate 34 1 311 87 224 256% MONDEA BANK Finance & Real Estate 32 3 78 125 47 -38% SKANDIANVISKA ENSK Finance & Real Estate 22 3 78 125 47 -38% SKANDIANVISKA ENSK Finance & Real Estate 147 101 72 218 145 -67% SKANDIANVISKA ENSK Finance & Real Estate 136 79 131 209 77 -37% SWEDBANK AB Finance & Real Estate 15 48 110 250 140 -56% SWEDBANK AB Finance & Real Estate 15 48 110 250 140 -56% SWEDBANK AB Health Care 75 13 61 158 97 -61% MEDA AB Health Care 16 5 9 131 122 -93% MOBEL BIOCARE HLDG Health Care 20 1 20 111 90 -82% AB VOLVO Industrial Goods & Services 105 29 68 91 23 -26% ABB LTD Industrial Goods & Services 115 173 18 122 104 -85% ACTA SCO AB Industrial Goods & Services 15 13 21 95 74 -75% NCC AB Industrial Goods & Services 15 13 21 95 74 -75% NCC AB Industrial Goods & Services 15 13 21 95 74 -75% NCC AB Industrial Goods & Services 19 56 135 188 522 -28% NCC AB Industrial Goods & Services 19 56 135 188 52 -28% NCC AB Industrial Goods & Services 19 56 135 188 52 -28% NCC AB Industrial Goods & Services 19 56 135 188 52 -28% NCC AB Industrial Goods & Services 19 56 135 188 52 -28% SANDA 112 95 74 -75% SANDA B Industrial Goods & Services 19 56 135 188 52 -28% NCC AB Industrial Goods & Services 19 56 135 188 52 -28% NCC AB Industrial Goods & Services 19 56 135 188 52 -28% NCC AB Industrial Goods & Services 19 56 135 188 52 -28% NCC AB Industrial Goods & Services 19 56 135 188 52 -28% NCC AB Industrial Goods & Services 19 56 135 188 52 -28% NCC AB Industrial Goods & Services 19 56 135 188 52 -28% NCC AB Industrial Goods & Services 19 56 135 188 52 -28% NCC AB Industrial Goods & Services 19 56 135 188 52 -28% NCC AB Industrial Goods & Services 19 56 35 188 52 -28% NCC AB Industrial Goods & Services 19 56 35 188 52 -28% SANDNIK AB Industrial Goods & Services 19 56 35 3 189 -57 50% SANDSKA AB Industrial Goods & Services 100 74 57 115 57 -50% NELLEZ AB Industrial Goods & Services 100 53 53 11 | JM AB | Finance & Real Estate | 62 | 12 | 71 | 166 | 95 | -57% |
| LUUNGBERGGRUPPEN AB Finance & Real Estate 34 1 311 87 224 256% NORDEA BANK Finance & Real Estate 33 126 7 107 100 -93% SKANDINAVISKA ENSK Finance & Real Estate 12 23 78 125 47 -38% SKANDINAVISKA ENSK Finance & Real Estate 147 101 72 218 145 -67% SV. HANDELSBANKEN AB Finance & Real Estate 136 79 131 209 777 -37% SWEDBANK AB Finance & Real Estate 15 48 1100 250 140 -56% ELEKTA AB Health Care 35 4 27 143 116 -81% GETINGE AB Health Care 16 5 9 131 122 -93% NOBEL BIOCARE HLDG Health Care 26 1 501 2018 1518 -75% AB VOLVO Industrial Goods & Services 105 173 18 122 104 -82% AB VOLVO Industrial Goods & Services 115 173 18 122 104 -85% ASSA ABLOY AB Industrial Goods & Services 13 4 51 24 97 72 -75% HEXAGON AB Industrial Goods & Services 15 13 21 95 74 -78% NICC AB Industrial Goods & Services 15 13 21 95 74 -78% SANDAB Industrial Goods & Services 15 13 21 95 74 -78% SASA ABLOY AB Industrial Goods & Services 15 13 21 95 74 -78% NICC AB Industrial Goods & Services 15 13 21 95 74 -78% SASA ABLOY AB Industrial Goods & Services 15 13 21 95 74 -78% SASA ABLOY AB Industrial Goods & Services 15 13 21 95 74 -78% SASA ABLOY AB Industrial Goods & Services 15 13 21 95 74 -78% SASA ABLOY AB Industrial Goods & Services 15 13 21 95 74 -78% SASA ABLOY AB Industrial Goods & Services 15 13 21 95 74 -78% SASA ABLOY AB Industrial Goods & Services 15 13 21 95 74 -78% SASA ABLOY AB Industrial Goods & Services 15 13 21 95 74 -78% SASA ABLOY AB Industrial Goods & Services 15 13 21 95 74 -78% SAAB AB Industrial Goods & Services 16 72 45 97 52 -54% SAAB AB Industrial Goods & Services 173 61 56 106 49 -77% SAAB AB Industrial Goods & Services 100 23 53 119 66 -55% STRELEZ AB Industrial Goods & Services 100 23 53 119 66 -55% STRELEZ AB Industrial Goods & Services 100 27 70 163 93 -57% SAAB AB Industrial Goods & Services 100 27 70 163 93 -57% SAAB AB Industrial Goods & Services 100 27 70 163 93 -57% SAAB AB Industrial Goods & Services 100 27 70 163 93 -57% SAAB SUENATA AB Industrial Goods & Services 100 27 70 163 93 -5 | L. WALLENSTAM BYGGN. | Finance & Real Estate | 63 | 1 | 68 | 143 | 74 | -52% |
| NORDEA BANK Finance & Real Estate 33 126 7 107 100 -93% OMX AB Finance & Real Estate 22 3 78 125 47 -38% SKANDIAVISKA ENSK Finance & Real Estate 120 72 218 145 -67% SV. HANDELSBANKEN AB Finance & Real Estate 136 79 131 209 77 -37% SWEDBANK AB Finance & Real Estate 136 79 131 209 77 -37% SWEDBANK AB Health Care 35 4 27 143 116 -81% GETINGE AB Health Care 75 13 61 158 97 -61% NOBEL BIOCARE HLDG Health Care 26 1 501 2018 1518 -75% AB VOLVO Industrial Goods & Services 115 173 18 122 104 -85% ASSA ABLOY AB Industrial Goods & Services 134 51 24 97 | LIUNGBERGGRUPPEN AB | Finance & Real Estate | 34 | 1 | 311 | 87 | 224 | 256% |
| OMX AB Finance & Real Estate 22 3 78 125 47 -38% SKANDINAVISKA ENSK Finance & Real Estate 147 101 72 218 145 -67% SV. HANDELSBANKEN AB Finance & Real Estate 15 48 110 250 140 -56% SWEDBANK AB Finance & Real Estate 15 48 110 250 140 -56% ELEKTA AB Health Care 75 13 61 158 97 -61% MEDA AB Health Care 76 13 61 158 97 -61% OBEL BIOCARE HLDG Health Care 26 1 201 2011 90 -82% AB VOLVO Industrial Goods & Services 115 173 18 122 104 -85% ASSA ABLOY AB Industrial Goods & Services 13 21 95 74 -78% NCC AB Industrial Goods & Services 13 21 95 74 -78 | NORDEA BANK | Finance & Real Estate | 33 | 126 | 7 | 107 | 100 | -93% |
| SKANDINAVISKA ENSK SV. HANDELSBANKEN AB Finance & Real Estate 147 101 72 218 145 6-7% SV. HANDELSBANKEN AB Finance & Real Estate 136 79 131 209 77 -37% SWEDBANK AB Finance & Real Estate 135 48 110 250 140 -56% ELEKTA AB Health Care 35 4 27 143 116 -81% GETINGE AB Health Care 16 5 9 131 122 -93% NOBEL BIOCARE HLDG Health Care 26 1 501 2018 1518 -75% AB VOLVO Industrial Goods & Services 80 259 68 91 23 -26% ABB LTD Industrial Goods & Services 115 173 18 122 104 -85% ATLAS COPCO AB Industrial Goods & Services 133 21 95 74 -78% NCC AB Industrial Goods & Services 15 13 21 95 74 -78% NBE INDUSTRIER AB Industrial Goods & Ser | OMX AB | Finance & Real Estate | 22 | 3 | 78 | 125 | 47 | -38% |
| SV. HANDELSBANKEN AB Finance & Real Estate 136 79 131 209 77 -37% SWEDBANK AB Finance & Real Estate 15 48 110 250 140 -56% ELEKTA AB Health Care 35 4 27 143 116 -81% GETINGE AB Health Care 75 13 61 158 97 -61% MEDA AB Health Care 26 1 501 2018 1518 -75% Q-MED AB Health Care 20 1 20 111 90 -82% AB VOLVO Industrial Goods & Services 115 173 18 122 104 -85% ASA ABLOY AB Industrial Goods & Services 13 21 95 74 -78% HEXAGON AB Industrial Goods & Services 15 13 21 95 74 -78% NBE INDUSTRIER AB Industrial Goods & Services 15 13 21 95 74 -78% SANDVIK AB Industrial Goods & Services 15 13 | SKANDINAVISKA ENSK | Finance & Real Estate | 147 | 101 | 72 | 218 | 145 | -67% |
| SWEDBANK AB Finance & Real Estate 15 48 110 250 140 -56% ELEKTA AB Health Care 35 4 27 143 116 -81% GETINGE AB Health Care 16 5 9 131 122 -93% NOBEL BIOCARE HLDG Health Care 16 5 9 131 122 -93% AB VOLVO Industrial Goods & Services 80 259 68 91 23 -26% AB VOLVO Industrial Goods & Services 115 173 18 122 104 -85% ASSA ABLOY AB Industrial Goods & Services 134 51 24 97 72 -75% ATLAS COPCO AB Industrial Goods & Services 15 13 21 95 74 -78% NCC AB Industrial Goods & Services 15 13 21 95 74 -73% SAAD VIK AB Industrial Goods & Services 16 72 45 | SV. HANDELSBANKEN AB | Finance & Real Estate | 136 | 79 | 131 | 209 | 77 | -37% |
| ELEKTA AB Health Care 35 4 27 143 116 -81% GETINGE AB Health Care 75 13 61 158 97 -61% MEDA AB Health Care 16 5 9 131 122 -93% NOBEL BIOCARE HLDG Health Care 26 1 501 2018 1518 -75% Q-MED AB Health Care 20 1 20 111 90 -82% AB VOLVO Industrial Goods & Services 15 173 18 122 104 -85% ASSA ABLOY AB Industrial Goods & Services 15 13 21 95 74 -77% NCC AB Industrial Goods & Services 19 56 135 188 52 -28% NIDE INDUSTRIER AB Industrial Goods & Services 19 56 135 188 52 -28% SAAB AB Industrial Goods & Services 16 72 475 115 57 -57% SAAB AB Industrial Goods & Services 107 74 | SWEDBANK AB | Finance & Real Estate | 15 | 48 | 110 | 250 | 140 | -56% |
| GETINGE AB Health Care 75 13 61 158 97 -61% MEDA AB Health Care 16 5 9 131 122 -93% NOBEL BIOCARE HLDG Health Care 26 1 501 2018 1518 -75% Q-MED AB Health Care 20 1 20 111 90 82% AB VOLVO Industrial Goods & Services 80 259 68 91 23 -26% ASSA ABLOY AB Industrial Goods & Services 133 14 9 148 99 -67% ATLAS COPCO AB Industrial Goods & Services 13 21 95 74 -78% MEXAGON AB Industrial Goods & Services 13 21 95 74 -78% NCC AB Industrial Goods & Services 13 21 95 74 -78% SAB AB Industrial Goods & Services 70 21 92 214 121 -57% <td< td=""><td>ELEKTA AB</td><td>Health Care</td><td>35</td><td>4</td><td>27</td><td>143</td><td>116</td><td>-81%</td></td<> | ELEKTA AB | Health Care | 35 | 4 | 27 | 143 | 116 | -81% |
| Definition Institution | GETINGE AB | Health Care | 75 | 13 | 61 | 158 | 97 | -61% |
| NOBEL BIOCARE HLDG Health Care 26 1 501 2012 121 0011 Q-MED AB Health Care 20 1 20 111 90 +82% AB VOLVO Industrial Goods & Services 80 259 68 91 23 -26% ABB LTD Industrial Goods & Services 115 173 18 122 104 -85% ASSA ABLOY AB Industrial Goods & Services 53 31 49 148 99 -67% ATLAS COPCO AB Industrial Goods & Services 15 13 21 95 74 -78% NCC AB Industrial Goods & Services 15 13 21 95 74 -78% NCC AB Industrial Goods & Services 19 56 135 188 52 -28% NIBE INDUSTRIER AB Industrial Goods & Services 70 21 92 214 121 -57% SAAD KIK AB Industrial Goods & Services 107 74 57 115 57 -50% SECURITAS AB Industrial Good | MEDA AB | Health Care | 16 | | 9 | 131 | 122 | -93% |
| October of the latter of th | | Health Care | 26 | 1 | 501 | 2018 | 1518 | -75% |
| AB VOLVO Industrial Goods & Services 80 259 68 91 23 -26% ABB LTD Industrial Goods & Services 115 173 18 122 104 -85% ASSA ABLOY AB Industrial Goods & Services 53 31 49 148 99 -67% ATLAS COPCO AB Industrial Goods & Services 134 51 24 97 72 -75% HEXAGON AB Industrial Goods & Services 15 13 21 95 74 -78% NICC AB Industrial Goods & Services 19 56 135 188 52 -28% NIBE INDUSTRIER AB Industrial Goods & Services 78 5 23 112 89 -77% SAAB AB Industrial Goods & Services 70 21 92 214 121 -57% SAAD VIK AB Industrial Goods & Services 107 74 57 115 57 -50% SCANIA AB Industrial Goods & Services 100 53 53 119 66 -55% SKANSKA AB | O-MED AB | Health Care | 20 | 1 | 20 | 111 | 90 | -82% |
| ABB LTD Industrial Goods & Services 113 173 18 122 104 -85% ASSA ABLOY AB Industrial Goods & Services 53 31 49 148 99 -67% ATLAS COPCO AB Industrial Goods & Services 134 51 24 97 72 -75% HEXAGON AB Industrial Goods & Services 15 13 21 95 74 -78% NIGE INDUSTRIER AB Industrial Goods & Services 15 13 21 95 74 -78% NIBE INDUSTRIER AB Industrial Goods & Services 58 5 23 112 89 -79% PEAB AB Industrial Goods & Services 70 21 92 214 121 -57% SANDVIK AB Industrial Goods & Services 145 72 45 97 52 -54% SCANIA AB Industrial Goods & Services 107 74 57 115 57 -50% SECURITAS AB Industrial Goods & Services 100 53 53 119 66 -55% SKAN | AB VOLVO | Industrial Goods & Services | 80 | 259 | 68 | 91 | 23 | -26% |
| ASSA ABLOY AB Industrial Goods & Services 113 113 113 113 114 114 104 ASSA ABLOY AB Industrial Goods & Services 134 51 24 97 72 -75% ATLAS COPCO AB Industrial Goods & Services 15 13 21 95 74 -78% NCC AB Industrial Goods & Services 19 56 135 188 52 -28% NIBE INDUSTRIER AB Industrial Goods & Services 58 5 23 112 89 -77% SAAB AB Industrial Goods & Services 70 21 92 214 121 -57% SAAB AB Industrial Goods & Services 70 21 92 214 121 -57% SCANIA AB Industrial Goods & Services 73 61 56 106 49 -47% SECURITAS AB Industrial Goods & Services 130 126 63 133 70 -53% SKANSKA AB Industrial Goods & Services 100 53 53 119 66 -55% | | Industrial Goods & Services | 115 | 173 | 18 | 122 | 104 | -85% |
| ATLAS COPCO AB Industrial Goods & Services 134 51 143 173 173 173 173 173 HEXAGON AB Industrial Goods & Services 15 13 21 95 74 -78% NCC AB Industrial Goods & Services 19 56 135 188 52 -28% NIBE INDUSTRIER AB Industrial Goods & Services 58 5 23 112 89 -79% PEAB AB Industrial Goods & Services 70 21 92 214 121 -57% SAAB AB Industrial Goods & Services 107 74 57 115 57 -50% SCANIA AB Industrial Goods & Services 107 74 57 115 57 -50% SCANIA AB Industrial Goods & Services 107 74 57 115 57 -50% SCANIA AB Industrial Goods & Services 100 53 53 119 66 -55% SKANSKA AB Industrial Goods & Services 100 53 53 119 66 -55% | | Industrial Goods & Services | 53 | 31 | 49 | 148 | 99 | -67% |
| HEXAGON AB Industrial Goods & Services 15 13 21 95 74 78% NCC AB Industrial Goods & Services 19 56 135 188 52 -28% NIBE INDUSTRIER AB Industrial Goods & Services 58 5 23 112 89 -79% PEAB AB Industrial Goods & Services 48 30 23 54 31 -57% SAAB AB Industrial Goods & Services 70 21 92 214 121 -57% SANDVIK AB Industrial Goods & Services 70 21 92 214 121 -57% SANDVIK AB Industrial Goods & Services 70 71 52 -54% SECURITAS AB Industrial Goods & Services 107 74 57 115 57 -50% SKANSKA AB Industrial Goods & Services 130 126 63 133 70 -53% SKF AB Industrial Goods & Services 100 53 53 119 66 -55% TRELLEBORG AB Industrial Goods & Services | ATLAS COPCO AB | Industrial Goods & Services | 134 | 51 | 24 | 97 | 72 | -75% |
| Industrial Goods & Services 15 12 15 14 155 14 155 NICC AB Industrial Goods & Services 19 56 135 188 52 -28% NIBE INDUSTRIER AB Industrial Goods & Services 58 5 23 112 89 -79% PEAB AB Industrial Goods & Services 70 21 92 214 121 -57% SAAB AB Industrial Goods & Services 70 21 92 214 121 -57% SAAB AB Industrial Goods & Services 145 72 45 97 52 -54% SCANIA AB Industrial Goods & Services 107 74 57 115 57 -50% SECURITAS AB Industrial Goods & Services 100 53 53 119 66 -55% SKANSKA AB Industrial Goods & Services 100 53 53 119 66 -55% TRELLEBORG AB Industrial Goods & Services 102 27 70 163 93 -57% LAWSON SOFTWARE INC | | Industrial Goods & Services | 15 | 13 | 21 | 95 | 74 | -78% |
| Industrial Goods & Services 15 155 165 < | NCC AB | Industrial Goods & Services | 19 | 56 | 135 | 188 | 52 | -28% |
| MEAD of the bost of the | | Industrial Goods & Services | 58 | 5 | 233 | 100 | 89 | -79% |
| SAAB AB Industrial Goods & Services 70 21 92 214 31 57% SAAB AB Industrial Goods & Services 70 21 92 214 121 -57% SANDVIK AB Industrial Goods & Services 145 72 45 97 52 -54% SCANIA AB Industrial Goods & Services 107 74 57 115 57 -50% SECURITAS AB Industrial Goods & Services 73 61 56 106 49 -47% SKANSKA AB Industrial Goods & Services 130 126 63 133 70 -53% SKF AB Industrial Goods & Services 100 53 53 119 66 -55% TRELLEBORG AB Industrial Goods & Services 102 27 70 163 93 -57% LAWSON SOFTWARE INC Information Technology 32 3 0 52 52 -100% TIETOENATOR OYJ Information Technology 8 15 90 219 130 -59% HOLMEN AB <td< td=""><td>PEAR AR</td><td>Industrial Goods & Services</td><td>48</td><td>30</td><td>23</td><td>54</td><td>31</td><td>-57%</td></td<> | PEAR AR | Industrial Goods & Services | 48 | 30 | 23 | 54 | 31 | -57% |
| SANDVIK AB Industrial Goods & Services 145 72 45 97 52 -54% SANDVIK AB Industrial Goods & Services 145 72 45 97 52 -54% SCANIA AB Industrial Goods & Services 107 74 57 115 57 -50% SECURITAS AB Industrial Goods & Services 73 61 56 106 49 -47% SKANSKA AB Industrial Goods & Services 130 126 63 133 70 -53% SKF AB Industrial Goods & Services 100 53 53 119 66 -55% TRELLEBORG AB Industrial Goods & Services 102 27 70 163 93 -57% ERICSSON AB Information Technology 131 178 7 28 21 -75% LAWSON SOFTWARE INC Information Technology 32 3 0 52 52 -100% TIETOENATOR OYJ Information Technology 8 15 90 219 130 -59% MOLLMEN AB | SAAB AB | Industrial Goods & Services | 70 | 21 | 92 | 214 | 121 | -57% |
| SCANIA AB Industrial Goods & Services 143 72 45 57 52 54% SCANIA AB Industrial Goods & Services 107 74 57 115 57 -50% SECURITAS AB Industrial Goods & Services 73 61 56 106 49 -47% SKANSKA AB Industrial Goods & Services 130 126 63 133 70 -53% SKF AB Industrial Goods & Services 100 53 53 119 66 -55% TRELLEBORG AB Industrial Goods & Services 102 27 70 163 93 -57% ERICSSON AB Information Technology 131 178 7 28 21 -75% LAWSON SOFTWARE INC Information Technology 32 3 0 52 52 -100% TIETOENATOR OYJ Information Technology 82 132 19 211 303 92 -30% SSAB SVENSKT STAL AB Materials 29 31 60 148 88 -60% MILLICOM CEL | | Industrial Goods & Services | 145 | 72 | 45 | 97 | 52 | -54% |
| SECURITAR ABIndustrial Goods & Services107745711357103SECURITAS ABIndustrial Goods & Services73615610649-47%SKANSKA ABIndustrial Goods & Services1301266313370-53%SKF ABIndustrial Goods & Services100535311966-55%TRELLEBORG ABIndustrial Goods & Services102277016393-57%ERICSSON ABInformation Technology13117872821-75%LAWSON SOFTWARE INCInformation Technology32305252-100%TIETOENATOR OYJInformation Technology81590219130-59%HOLMEN ABMaterials1321921130392-30%SSAB SVENSKT STAL ABMaterials29316014888-60%MILLICOM CELL.Telecom17120429429-100%TELI2 ABTelecom8791395718-31%Telecom8791395718-31% | | Industrial Goods & Services | 107 | 72 | 4J 57 | 115 | 52 | -54% |
| SKANSKA AB Industrial Goods & Services 130 126 63 133 70 -53% SKANSKA AB Industrial Goods & Services 130 126 63 133 70 -53% SKF AB Industrial Goods & Services 100 53 53 119 66 -55% TRELLEBORG AB Industrial Goods & Services 102 27 70 163 93 -57% ERICSSON AB Information Technology 131 178 7 28 21 -75% LAWSON SOFTWARE INC Information Technology 32 3 0 52 52 -100% TIETOENATOR OYJ Information Technology 8 15 90 219 130 -59% HOLMEN AB Materials 132 19 211 303 92 -30% SSAB SVENSKT STAL AB Materials 29 31 60 148 88 -60% MILLICOM CELL. Telecom 17 12 0 429 -100% -100% TELE2 AB Telecom 87 | | Industrial Goods & Services | 107 | 74 61 | 56 | 115 | J7 19 | -30% |
| SKF AB Industrial Goods & Services 130 120 03 133 170 153% SKF AB Industrial Goods & Services 100 53 53 119 66 -55% TRELLEBORG AB Industrial Goods & Services 102 27 70 163 93 -57% ERICSSON AB Information Technology 131 178 7 28 21 -75% LAWSON SOFTWARE INC Information Technology 32 3 0 52 52 -100% TIETOENATOR OYJ Information Technology 8 15 90 219 130 -59% HOLMEN AB Materials 132 19 211 303 92 -30% SSAB SVENSKT STAL AB Materials 29 31 60 148 88 -60% MILLICOM CELL. Telecom 17 12 0 429 -100% -100% TELE2 AB Telecom 14 50 42 100 58 -58% TELIASONERA AB Telecom 87 91 <t< td=""><td>SKANSKA AB</td><td>Industrial Goods & Services</td><td>130</td><td>126</td><td>63</td><td>133</td><td>45 70</td><td>-53%</td></t<> | SKANSKA AB | Industrial Goods & Services | 130 | 126 | 63 | 133 | 45 70 | -53% |
| SAR ADIndustrial Goods & Services100333311300133TRELLEBORG ABIndustrial Goods & Services102277016393-57%ERICSSON ABInformation Technology13117872821-75%LAWSON SOFTWARE INCInformation Technology32305252-100%TIETOENATOR OYJInformation Technology81590219130-59%HOLMEN ABMaterials1321921130392-30%SSAB SVENSKT STAL ABMaterials29316014888-60%MILLICOM CELL.Telecom17120429429-100%TELE2 ABTelecom14504210058-58%TELIASONERA ABTelecom8791395718-31% | | Industrial Goods & Services | 100 | 52 | 52 | 110 | 70 66 | -55% |
| Industrial obody & Services 102 170 103 | | Industrial Goods & Services | 100 | 27 | 53 70 | 113 | 93 | -57% |
| LAWSON SOF WARE INCInformation Technology131178712821175%LAWSON SOF TWARE INCInformation Technology32305252-100%TIETOENATOR OYJInformation Technology81590219130-59%HOLMEN ABMaterials1321921130392-30%SSAB SVENSKT STAL ABMaterials29316014888-60%MILLICOM CELL.Telecom17120429429-100%TELE2 ABTelecom14504210058-58%TELIASONERA ABTelecom8791395718-31% | | Information Technology | 102 | 179 | 70 | 20 | 93 21 | -37% |
| Envision Soft Walke Internation Technology 32 5 60 52 52 50 TIETOENATOR OYJ Information Technology 8 15 90 219 130 -59% HOLMEN AB Materials 132 19 211 303 92 -30% SSAB SVENSKT STAL AB Materials 29 31 60 148 88 -60% MILLICOM CELL. Telecom 17 12 0 429 429 -100% TELE2 AB Telecom 14 50 42 100 58 -58% TELIASONERA AB Telecom 87 91 39 57 18 -31% | | Information Technology | 22 | 2/1 | / 0 | 20 E2 | 21 ED | -10/0/ |
| HEIGENATION of a monitation recimilities is is< <td></td> <td>Information Technology</td> <td>52 Q</td> <td>5 15</td> <td>0</td> <td>5Z 210</td> <td>120</td> <td>-100%</td> | | Information Technology | 52 Q | 5 15 | 0 | 5Z 210 | 120 | -100% |
| Induction Induction IS2 19 211 503 92 -30% SSAB SVENSKT STAL AB Materials 29 31 60 148 88 -60% MILLICOM CELL. Telecom 17 12 0 429 429 -100% TELE2 AB Telecom 14 50 42 100 58 -58% TELIASONERA AB Telecom 87 91 39 57 18 -31% | | Matorials | 0 100 | 10 | 5U 211 | 203 | 100 | -33% 200/ |
| SARD SVENSING TALLAD Midlefields 29 31 60 148 88 -60% MILLICOM CELL. Telecom 17 12 0 429 429 -100% TELE2 AB Telecom 14 50 42 100 58 -58% TELIASONERA AB Telecom 87 91 39 57 18 -31% | | Ivid (C) Idis | 132 | 24 TA | 211 | 303 | 92 | -30% |
| TELEON CELL Teleconi 17 12 0 429 429 -100% TELE2 AB Teleconi 14 50 42 100 58 -58% TELIASONERA AB Teleconi 87 91 39 57 18 -31% | | Tolocom | 17 | 12 | 00 | 140 | 00 400 | -00% |
| TELEZ AB Telecom 14 50 42 100 58 -58% TELIASONERA AB Telecom 87 91 39 57 18 -31% | | Telecom | 1/ | 12 | 0 | 429 | 429 | -100% |
| IELIASUMERA AD IELEUIII 6/ 91 59 5/ 18 -31% 42 66 40 420 520/< | | Telecom | 14 | 50 | 42 | 100 | 58 | -58% |
| | | TEIECOIII | 8/ | 91 | 39 | 5/ | 18 | -31% |