



Software for nails and screws

Free BeA Engineering Software for the straight forward dimensioning of fastening insulation above roof sheathing

- **Simple user navigation makes entries easier**
- **Multiple dimensioning in real time saves time**
- **Verifiable dimensioning with material order list**

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Ahrensburg, 22 May 2017 – The preparation of a verifiable dimensioning document for insulation above roof sheathing is very time consuming. Joh. Friedrich Behrens AG now provides a software for dimensioning the fastening of insulation above roof sheathing using nails and screws in accordance with Eurocode 5 and national annexes for Germany, Austria, Switzerland, France, Great Britain and Italy. The European market leader for fastening technology in wooden materials is thus emphasising its market leadership. The BeA Engineering Software – which is free of charge and requires no registration – can be downloaded from the website www.bea-group.com.

The BeA dimensioning software reduces planning effort and allows insulation to be fastened economically and professionally above roof sheathing in line with the latest technical standard. The software contains modules for dimensioning the fastening of insulation above roof sheathing using collated BeA nails and BeFix screws, as well as modules for the dimensioning of general screw connections in timber constructions with approved BeFix wood screws and for the dimensioning of general nail connections with approved BeA nails.

Wood fibre boards used as insulation above roof sheathing usually offer enhanced insulating and sound proofing properties compared with insulation fixed under or between the roof rafters. In addition, this method allows attic space to be exploited fully and even to be inhabited during the energy efficient renovation of the roof. For these reasons, insulation above roof sheathing is highly valued by building owners and craftsmen alike, although dimensioning the fasteners is extremely complex due to the numerous normative circumstances to be taken into account.

The dimensioning software is provided for free download without registration being necessary. Following installation and release by the user, this software will be constantly updated online free of charge. Alternatively, the user can update the software manually.

Simple user navigation makes it easy even for untrained users to enter the relevant project data for dimensioning. A constantly visible status bar displays the capacity utilisation of the fasteners at a glance in real

Press Release

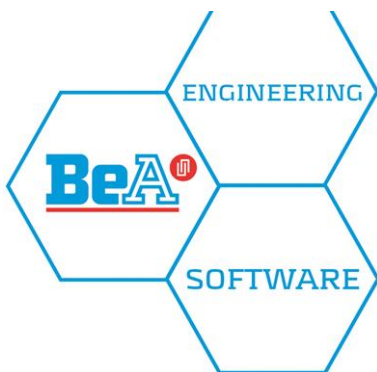
time. If the fastener selected is not suitable for the application, this is explained in a brief text. In addition, multiple dimensioning is possible in real time in order to dimension alternative fastening solutions. To make storage easier and avoid non suitable screws being used on the roof, it is possible to calculate dimensioning for similar applications using only one fastener type.

The BeA dimensioning software can be used for dimensioning the fastening insulation above roof sheathing on gable roofs, single pitch roofs and hip roofs in accordance with Eurocode 5 and national annexes for projects in Germany, Austria, Switzerland, France and Italy. For dimensioning in Germany and Austria, the snow and wind loads can be dimensioned either by entering the postcode or making direct entries. For dimensioning in Austria, terrain categories are also taken into consideration. Dimensioning in Switzerland is calculated on the basis of the zone map saved as a PDF document.

Following entry of all project data, the user receives a very clearly structured and detailed evaluation. Alongside a verifiable dimensioning document with 3D illustrations, the package also includes the applicable excerpts of CE Declarations of Conformity, European technical evaluations as well as installation instructions and material lists. The material lists can be sent directly to the Behrens Group as a project specific quotation request using an export and e-mail function. The save function allows the project to be edited later or used as the basis for a new project.

About Joh. Friedrich Behrens AG

The Joh. Friedrich Behrens AG with the BeA and KMR brands is one of the leading manufacturers for fastening technology for wood and similar materials on the European market. The Behrens Group, which has been operating for more than 100 years, distributes machine tools (pneumatic and gas-operated nailers and staplers) as well as corresponding fasteners (collated nails, staples and screws) developed and produced in Germany via a global network of subsidiaries and affiliated companies. The products are characterised by innovative technologies, the highest quality standards and modern manufacturing methods.



BeA Engineering Software-Logo.jpg

The BeA Engineering Software contains four modules for the dimensioning of

