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Concealed door closer – The award-winning „Pivota DX Close“ solution from Basys

With its concealed hinge that closes doors gently and automatically, Basys has already won two prizes: at BAU 2017, the company received the Innovation Award for Architecture + Construction, and in 2018 the highest accolade – the „best of the best“ in the „Iconic Award: Innovative Interior“. Basys will be demonstrating the solution in a new light at BAU 2019.

„Pivota DX Close“ is a solution to all of the problems that used to be associated with developing this type of hinge. The additional components not only adapt to the concealed system technology. The hinge also remains fully functional: it can be adjusted in three dimensions and enables the door to be opened to an angle of 180 degrees. In this state, the door remains open; the self-closing mechanism is only activated from an opening angle of approximately 110 degrees.

Furthermore, the „Pivota DX Close“ is equipped with a steel joint and interconnected lock barrel that disappears into the door rebate in the same way as the hinge. The system thus works entirely hidden from view when the door automatically closes. The lock barrel pulls on the joint in a controlled action. For greater safety and an added feel of luxury, the mechanism – which manages without a separate door closer – slows the door down before it gently locks. Developing this solution, Basys placed the focus on doors weighing up to 80 kg.

The „Iconic Award: Innovative Interior“ honours the best in all areas of interior design. It takes into consideration and evaluates the objects in their interplay and design in the context of interior design. The results serve as a trend barometer for the entire furnishing industry. The expert jury selected the winners from approximately 500 products. 30 products were awarded the highest accolade, „best of the best“, one of which was the „Pivota DXS 101 3-D Close“ from Basys.

Basys had already been awarded the „Innovation Prize for Architecture and Construction“ for the concealed hinge back at the BAU 2017 trade fair in Munich. The architecture and design competition was initiated with the aim of singling out those products and solutions from the many available on the market which meet the requirements and expectations of architects particularly well. Exhibiting on a stand of its own at BAU since 2003, this was the first time Basys had faced the critical judgment of the expert panel made up of 16 representatives from well-known architecture firms.

At the time, Michael Nusser from Frick Krüger Nusser Plan2, Munich, explained the reasons for the jury’s decision to give the innovation prize to Basys: „Developing the ‚PIVOTA DX Close‘ product, BaSys – Bartels Systembeschläge GmbH – has created an innovative product that provides a door opening angle of almost 180° with a concealed hinge. An invisible spring hinge gently pulls the door leaf into the frame. A special soft closing mechanism prevents loud closing noises. This product could be used to avoid installing unsightly surface-mounted door closers. The permissible door weight is still limited to 80 kilograms. In our view, a cost of approximately € 150 each is within the normal price range.“



Caption: "Pivota DX Close" is the name of the hinge from Basys, that closes doors gently and automatically – the system works completely behind the scenes. Photo: BaSys

BaSys

BaSys stands for Bartels Systembeschläge. The family-owned company run by Albert and Jürgen

Bartels has been developing, producing and selling an all-embracing range of building hardware since 1995. With its hinge and striking-plate systems, BaSys regards itself as a problem solver for door and frame manufacturers throughout Europe as well as for national and international customers from retail and the trades. In 2001, the company was the first German manufacturer to present a concealed and three-dimensionally adjustable hinge with the "Pivota" product range, initiating a new design trend in the door industry. At company headquarters in Kalletal, East Westphalia, BaSys employs around 100 members of staff.