BaSys
Bartels
Systembeschläge

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Concealed fitting technology for glass doors: „Pivota DX Glass“ from Basys developed into a project-oriented complete system

Concealed door hinges are setting the trend. The fitting technology should be as invisible as possible and ensure a purist look. This is all the more important when filigree glass comes into play as a door material. Basys has expanded its „Pivota DX Glass“, developed for glass doors, to create a project-oriented system. The hinge forms a unit together with the lock and lock retainer, door handle and, on request, the frame as well. The components are designed to match each other finely and fit flush on both sides with the frame and face. And they can be mounted in the tried and tested way without changing the frame construction. The manufacturer will be demonstrating the project suitability of the system at BAU 2019.

With „Pivota DX Glass“, Basys has adapted the proven technology of its concealed hinges to applications for glass doors – with the associated advantages in terms of the scalability of the load-bearing capacity and the existing CE certification. The frame part disappears into the frame and the wing part vanishes into a retainer screwed into and therefore clamped to the glass door. The connection created ensures maximum long-term strength. Magnetically held cover plates ensure the screw-free look of the hinge.

The retainer surrounding the wing part of the hinge is coordinated with the frame size. Made of solid aluminium, it provides many different options for finishing the surface to match its design to the colour of the frame, to the decorative fitting and the high-quality lockable lock case, making it suitable for project applications. As an example, Basys will be demonstrating the use of an electronic lock barrel at BAU 2019, but locking systems are also an option. In combination with the tightly closing door leaf, „Pivota DX Glass“ is ideal for soundproof glass elements – an important issue in office developments.

In developing the „Pivota DX“ product range, Basys has created a full line of concealed hinges. With load-bearing capacities of 40 to 350 kilograms per pair, it covers the entire door spectrum. „Pivota DX Glass“ can carry up to 160 kilograms per pair. Doors can be opened up to 180 degrees with all hinges of the product family, the hinges are maintenance-free and can be adjusted in three dimensions.

The centrepiece of the hinge series is the patented design principle with a symmetrical four-knuckle joint that transmits the forces from the door wing evenly to the frame. Different door load-bearing capacities can be catered for thanks to the material hybrids with identical cutout hinge dimensions. Basys only uses steel, stainless steel and aluminium and, depending on the load-bearing capacity demanded, balances the use of these materials in hybrid technology: the higher the weight of the door, the higher the share of steel components used.

This makes the system universal: on the one hand, wooden doors can replace glass doors and vice versa; on the other hand, a uniform architectural approach can be pursued in larger objects with doors made of different materials. „Pivota DX Glass“ is suitable for standard frames on flush-fitting doors with glass thicknesses of eight, ten and twelve millimetres, which can also be in frameless design.



Caption 1: Basys has expanded its "Pivota DX Glass", developed for glass doors, to create a project-oriented system. The hinge forms a unit together with the lock and lock retainer, door handle and, on request, the frame as well. Photo: The Design Patrick Banasik, Gemünden

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Caption 2: With "Pivota DX Glass", Basys has adapted the proven technology of its concealed hinges to applications for glass doors – with the associated advantages in terms of the scalability of the load-bearing capacity and the existing CE certification. Magnetically held cover plates ensure the screw-free look of the hinge. Photo: The Design Patrick Banasik, Gemünden

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.